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CIPO OPIC

THE CANADIAN PATENT OFFICE RECORD
LA GAZETTE DU BUREAU DES BREVETS

Johanne Bélisle
Commissioner of Patents

Johanne Bélisle
Commissaire aux brevets

The Canadian Patent Office Record is published on Tuesday of each week under the authority of the Commissioner of Patents, Ottawa-Gatineau, Canada, to whom all communications should be addressed.

The Canadian Intellectual Property Office does not guarantee the accuracy of this publication, nor undertake any responsibility for errors or omissions or their consequences.

La Gazette du Bureau des brevets paraît le mardi de chaque semaine sous l'autorité du Commissaire aux brevets, Ottawa-Gatineau, Canada, à qui doit être adressée toute correspondance.

L'Office de la propriété intellectuelle de Canada ne garantit pas l'exactitude de la présente publication et ne se rend responsable d'aucune erreur ou omission ou de leurs conséquences.

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Notices

1. Dates and Code Numerals Appearing in Patent Headings

Dates
All dates appearing in the patent headings of this publication follow the form recommended by the International Standards Organization. The four digits on the left represent the years followed by two digits each for the months and the days. For example, January 02, 1999 will be shown as 1999-01-02.

Code Numerals
The numerals within the brackets in the patent headings are INID codes. "INID" is an acronym for "Internationally agreed Numbers for the Identification of Data". These codes are utilized to identify patent bibliography as recommended by the Permanent Committee on Industrial Property Information (PCIPI) under the administration of the World Intellectual Property Organization (WIPO) based in Geneva, Switzerland.

The INID Codes and their corresponding definitions of bibliographic data elements are as follows:

[11] - Number of Patent document
[13] - Kind-of-document code
[21] - Number assigned to the Application
[22] - Date of Filing Application or
[22] - Date of filing of related divisional application
[25] - Language in which the published application was originally filed
[30] - Data relating to priority under the Paris Convention

[41] - Open to Public Inspection Date
[45] - Date of Issue
[48] - Correction Date (Re-Issued, Re-Examined)
[51] - International Classification
[52] - Domestic Classification
[54] - Title of Invention
[60] - Related by Supplementary Disclosure
[62] - Related by Division
[64] - Related by Reissue
[71] - Name(s) of Applicant(s)
[72] - Name(s) of Inventor(s)
[73] - Name(s) of Grantee(s)
[85] - National Entry Date
[86] - PCT International Filing Data
[87] - PCT International Publication data

Avis

1. Dates et chiffres de code figurant à l'entête des brevets

Dates
Toutes dates figurant aux entêtes des brevets de cette publication suivent la forme recommandée par l'Organisation des normes internationales. Les quatre chiffres de gauche représentent les années et sont suivis, vers la droite, de deux autres chiffres chacun, pour les mois et les jours. Le 2 janvier 1999, par exemple, sera représenté par 1999-01-02.

Chiffres de code
Les chiffres à l'intérieur des parenthèses aux entêtes des brevets sont des codes INID. Le sigle « INID » signifie « Identification numérique internationale des données bibliographiques » Ces codes sont utilisés pour l'indentification de la bibliographie de brevets, tel que recommandé par le Comité permanent chargé de l'information en matière de propriété industrielle (PCIPI), sous l'administration de l'Organisation mondiale de la propriété intellectuelle (OMPI), sise à Genève, Suisse.

Les codes INID accompagnés des définitions des données bibliographiques correspondantes sont comme suit :

[11] - Numéro du brevet
[13] - Désignation du type de document
[21] - Numéro attribué à la demande
[22] - Date du dépôt de la demande ou
[22] - Date du dépôt de la demande divisionnaire apparentée
[25] - Langue dans laquelle la demande publiée a été initialement déposée
[30] - Données relatives à la priorité selon la Convention de Paris
[41] - Date de mise à la disponibilité du public
[45] - Date de délivrance
[48] - Date de correction (Redélivrance, Réexamen)
[51] - Classification internationale
[52] - Classification nationale
[54] - Titre de l'invention
[60] - Apparenté par divulgation supplémentaire
[62] - Apparenté par division
[64] - Apparenté par redélivrance
[71] - Nom(s) du (des) demandeur(s)
[72] - Nom(s) de(s) l'inventeur(s)
[73] - Nom(s) du (des) titulaire(s)
[85] - Date d'entrée en phase nationale
[86] - Données du dépôt international selon le PCT
[87] - Données de publication internationale selon le PCT

2. Country Code

The Country Codes appearing in this publication conform to those contained in annex A of the *Handbook on Industrial Property Information and Documentation* published by the World Intellectual Property Organization (WIPO). This document is accessible from a link entitled Standards ST-3 on the List of WIPO Standards, Recommendations and Guidelines (Abbreviated Titles) located on the WIPO Web site: (www.wipo.int/scit/en/standards/standards.htm).

2. Code des pays

Les Codes des pays qui se trouvent dans cette publication sont conformes à ceux dans l'annexe A du *Manuel sur l'information et la documentation en matière de propriété industrielle* publié par l'Organisation Mondiale de la Propriété Intellectuelle (OMPI). Ce document est accessible à partir de l'hyperlien intitulé Normes ST-3 dans la Liste des normes, recommandations et principes directeurs de l'OMPI (Titres abrégés) qui se trouve au site Web de l'OMPI: (www.wipo.int/scit/fr/standards/standards.htm).

3. How to Purchase Paper Copies of Canadian Patents and Canadian Applications Open to Public Inspection

Paper copies of all other Canadian Patents and Canadian applications open to public inspection may be purchased at the cost of $1 per page by visiting (www.strategis.ic.gc.ca/patentsorder) or by writing to the Commissioner of Patents, Ottawa-Gatineau, K1A 0C9.

Item 25.1* On requesting copy in electronic form of a document:	N/A
a) for each request	$10
b) plus, for each patent or application to which the request relates	$10
c) plus, if the copy is requested on a physical medium, for each physical medium requested in addition to the first	$10
d) plus, for each additional 10 megabytes or part of them exceeding 7 megabytes	$10

3. Comment acheter des copies sur papier de brevets canadiens et de demandes canadiennes mises à la disponibilité du public

Les copies sur papier de tous les autres brevets canadiens et des demandes canadiennes mises à la disponibilité du public peuvent être achetées au coût de 1 $ par page en visitant notre site Web (www.strategis.ic.gc.ca/brevetscommande) ou en écrivant au Commissaire aux brevets, Ottawa-Gatineau, K1A 0C9.

Article 25.1* Demande d'une copie d'un document sous forme électronique :	S.O.
a) pour chaque demande	10 $
b) pour chaque demande de brevet ou brevet visé par la demande	10 $
c) dans le cas où le document doit être copié sur plus d'un support matériel, pour chaque support matériel additionnel	10 $
d) pour chaque tranche de 10 méga-octets qui excède 7 méga-octets, l'excédant étant arrondi au multiple supérieur	10 $

4. Orders for Patents by Class or Sub-Class

A listing of all patents that have issued in each class or sub-class including both patents in force and expired patents, may be ordered at a price of $1 per page from the Patent Office.

4. Commande de brevets par classe ou sous-classe

Les listes de brevets délivrés dans chaque classe ou sous-classe, incluant les brevets en vigueur et ceux ayant expiré, peuvent être commandées auprès du Bureau des brevets au prix de 1 $ la page.

5. Advice on Making a Patent Application

Any person intending to file a patent application may obtain an information kit upon request from the Commissioner of Patents, Ottawa-Gatineau, Canada K1A 0C9. It is recommended that applicants make use of the services of a registered Patent Agent. A list of Patent Agents in any area of Canada will also be supplied upon request.

5. Conseils relatifs à la préparation de demandes de brevets

Toute personne qui a l'intention de déposer une demande de brevet peut obtenir une trousse d'information sur demande faite au Commissaire aux brevets, Ottawa-Gatineau, Canada K1A 0C9. On recommande aux demandeurs d'avoir recours aux services d'un agent de brevets inscrit au registre. Une liste des agents de brevets dans n'importe quelle région du Canada sera également fournie sur demande.

6. Licensing of Patents

Voluntary Licences
Persons desiring to use, make or sell an invention patented in Canada should negotiate terms with the patent owner. The address of the patentee may be obtained by writing to the Commissioner of Patents, Ottawa-Gatineau, Canada, K1A 0C9. If a voluntary licence cannot be arranged, a compulsory licence may be possible.

Compulsory Licences
Three years after a patent has been granted, one may request a compulsory licence to use the patent if there has been an abuse of the exclusive right. See Sections 65 to 71 of the *Patent Act*. Applications for a compulsory licence are made to the Commissioner of Patents.

6. Octroi de licences en vertu des brevets

Licences librement accordées
Les personnes désirant utiliser, fabriquer ou vendre une invention brevetée au Canada doivent en négocier les conditions avec le titulaire du brevet. L'adresse du titulaire peut être obtenue en écrivant au Commissaire aux brevets, Ottawa-Gatineau, Canada, K1A 0C9. S'il est impossible d'obtenir une licence résultant d'un libre accord, il est peut être possible d'obtenir une licence obligatoire.

Licences obligatoires
Il est possible de faire la demande d'une licence obligatoire trois ans après l'octroi d'un brevet si les droits exclusifs qui en dérivent ont donné lieu à un abus. Voir les articles 65 à 71 de la *Loi sur les brevets*. Les demandes de licence obligatoire doivent être présentées au Commissaire aux brevets.

7. Patents Available for Licence or Sale

An asterisk (*) placed beside any patent listed in this issue of the *Canadian Patent Office Record* indicates that as of the date of grant the said patent is available for licence or sale. These and other patents now made available for licensing are included in the listing in part 8 of these notices.

7. Brevets disponibles pour licence ou vente

Un astérisque (*) marqué à côté de tout brevet inscrit dans le présent numéro de la *Gazette du bureau des brevets*, signale qu'à compter de la date de la présente publication, ledit brevet est disponible pour octroi de licence ou vente. Une liste de ces brevets et d'autres mis en disponibilité pour octroi de licence, est publiée au no. 8 des présents avis.

8. List of Patents Available for Licence or Sale

The following Canadian patents have been made available this week for sale or licensing:

None

8. Liste des brevets disponibles pour octroi de licence ou vente

Les brevets canadiens suivants ont été mis en disponibilité cette semaine pour vente ou octroi de licence :

Aucun

9. Applications Open to Public Inspection

All patent applications filed since October 1, 1989 and documents filed in connection therewith are open to public inspection at the Patent Office after the expiration of a confidentiality period of eighteen months beginning on the filing date of the application, or where a request for priority has been made in respect to the application, beginning on the priority date claimed. An application may become open to public inspection sooner at the request or with the approval of the applicant (Section 10(2) of the *Patent Act*). However, an application shall not be open for public inspection if it is withdrawn within the time set out in Section 92 of the *Patent Rules*. This time limit is two months before the expiry of the confidentiality period or where the Commissioner is able to stop technical preparations to open the application to the public at a subsequent date.

9. Demandes mises à la disponibilité du public

Toutes les demandes de brevet et documents relatifs à ceux-ci, déposés au Bureau des brevets depuis le 1er octobre 1989, peuvent y être consultées après l'expiration de la période de confidentialité de dix-huit mois à compter de la date de dépôt de la demande de brevet ou, si une demande de priorité a été présentée à l'égard de celle-ci, de la date de dépôt sur laquelle la demande de priorité est fondée. Une demande de brevet peut être consultée avant l'expiration de la période, à la requête ou sur autorisation du demandeur (article 10(2) de la *Loi sur les brevets*). Toutefois, une demande de brevet ne pourra être consultée si celle-ci est retirée à l'intérieur du délai prévu à l'article 92 des *Règles sur les brevets*. Le délai prévu est de deux mois précédant la date d'expiration de la période de confidentialité ou, lorsque le commissaire est en mesure, à une date ultérieure, d'arrêter les préparatifs techniques en vue de la consultation de cette demande.

10. Language of Published Documents

When ordering a published patent, please note that the language of the document can be identified by the language code (INID [25]) EN (English) or FR (French).

10. Langue du document publié

Toute personne intéressée à obtenir une copie d'un brevet publié doit prendre note que les codes suivants EN (Anglais) ou FR (Français) représentent (INID [25]) la langue de la copie du brevet publié.

11. Patent Cooperation Treaty (PCT) Schedule of Fees Applicable for Applications Filed on or After January 2, 2018

1.	**Transmittal Fee** (Rule 14)	**$300**
2.	**International Filing Fee**	**$1708***
	For each additional sheet over 30	**$19**
3.	**International Search Fee**	**$1600**

The above mentioned fees are due at time of filing of the international application, or within one month from the international filing date (date of receipt of the international application by the receiving office). These fees are to be paid in Canadian dollars and cheques should be made payable to the Receiver General for Canada.

If the fees are not paid within one month from the international filing date, the receiving office shall invite the applicant to pay the amount required, together with a late payment fee under

11. Traité de coopération en matière de brevets (PCT) barème de taxes à partir du 2 janvier 2018

1.	**Taxe de transmission** (Règle 14)	**300 $**
2.	**Taxe de dépôt internationale**	**1708 $***
	Pour chaque feuille au delà de 30	**19 $**
3.	**Taxe de recherche internationale**	**1600 $**

Les taxes mentionnées ci-haut sont payables au moment du dépôt de la demande internationale, ou dans un délai d'un mois à compter de la date de dépôt international, (soit la date de réception de la demande internationale par l'office récepteur). Les taxes doivent être payées en dollars canadiens et les chèques sont payables au receveur général du Canada.

Si les taxes n'ont pas été payées dans un délai d'un mois à compter de la date de dépôt international, l'office récepteur invitera le demandeur à payer le montant dû, accompagné de la

Rule 16bis.2, within one month from the date of the invitation. Failure to pay the fees will result in the withdrawal of the application by the receiving office.

4. Late payment fee
50% of the fees that are due, or,
Minimum: Transmittal fee
Maximum: 50% of the international filing fee

Preliminary Examination

5. **Handling fee** (Rule 57.2(*a*)) **$257**

6. Preliminary examination fee (Rule 58) **$800**

* International fees will be reduced by:

- **$257** for all applications filed electronically using PCT-SAFE or ePCT (The request in character coded format).
- **$385** for all applications filed electronically using PCT-SAFE or ePCT (The request, description, claims and abstract in character coded format).

taxe pour le paiement tardif visée à la règle 16bis.2, dans un délai d'un mois à compter de l'invitation. Si vous omettez de payer les taxes, l'office récepteur retirera votre demande.

4. Taxe pour paiement tardif
50% du montant impayé, ou,
Minimum : taxe de transmission
Maximum : 50% de la taxe de dépôt international

Examen préliminaire

5. **Taxe de traitement** (Règle 57.2*a*)) **257 $**

6. Taxe d'examen préliminaire (Règle 58) **800 $**

* Les frais seront réduits de:

- **257 $** pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête étant en format à codage de caractères).
- **385 $** pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête, la description, les revendications et l'abrégé étant en format à codage de caractères).

12. PCT Notices

Patent Cooperation Treaty (PCT)

Copies of the *Patent Cooperation Treaty Applicants Guide* and the *Patent Cooperation Treaty & Regulations* are available from WIPO - World Intellectual Property Organization at a cost of 200 Swiss Francs and 18 Swiss Francs, respectively.

Those wishing for further information including prices for both previous and current subscriptions should contact WIPO at:

Information Products Section
Post Office Box 18
1211 Geneva 20 Switzerland
Telephone (011 41 22) 338-9618
Facsimile (011 41 22) 740-1812

or by "E-mail" (publications.mail@wipo.int) or visit their Web site (www.wipo.int).

12. Avis PCT

Traité de Coopération en matière de brevets (PCT)

Des copies du *Guide du déposant du PCT* ainsi que du *Traité et des Règlements* sont disponibles auprès de l'OMPI - Organisation mondiale de la propriété intellectuelle au coût de 200 francs suisses et 18 francs suisses, respectivement.

Les personnes qui désirent obtenir de plus amples renseignements, notamment sur le prix des abonnements antérieurs et courants, sont priées de s'adresser directement à :

l'OMPI à la Section des produits d'information
Boîte postale 18
1211 Genève 20 Suisse
Téléphone (011 41 22) 338-9618
Télécopieur (011 41 22) 740-1812

ou par courriel (publications.mail@wipo.int) ou visiter leur site Web (www.wipo.int).

13. Practice Notice

LIMITED PARTNERSHIPS CAN BE ENTERED ON THE REGISTER OF AGENTS AND ON THE LIST OF TRADE-MARK AGENTS

Note: *This practice notice is intended to provide guidance on current Patent and Trade-marks Office practice and interpretation of relevant legislation. However, in the event of any inconsistency between this notice and the applicable legislation, the legislation must be followed.*

The Patent Office and the Trade-marks Office (hereinafter jointly referred to as "the Offices") have been receiving inquiries as to whether limited partnerships are entitled to act as patent and trade-mark agents before the Offices.

With respect to the register of patent agents, section 15 of the *Patent Act* provides that a register of patent agents shall be kept in the Patent Office on which shall be entered the names of all persons and firms entitled to represent applicants in the presentation and prosecution of applications for patents or in other business before the Patent Office. Section 2 of the *Patent Rules* stipulates that the expression "patent agent" means any person or firm whose name is entered on the register of patent agents pursuant to section 15. Paragraph 15(c) of the *Patent Rules* provides that the Commissioner shall enter on the register of patent agents, on payment of the fee set out in item 33 of Schedule II, the name of **any firm, if the name of at least one member of the firm is entered on the register.**

With respect to the list of trade-mark agents, subsection 28(2) of the *Trade-marks Act* provides that the list of trade-mark agents shall include the names of all persons and firms entitled to represent applicants in the presentation and prosecution of applications for the registration of a trade-mark or in other business before the Trade-marks Office. Paragraph 21(d) of the *Trade-mark Regulations* (1996) stipulates that the Registrar shall, on written request and payment of the fee set out in item 19 of the schedule, enter on a list of trade-mark agents the name of **any firm having the name of at least one of its members entered on the list as a trade-mark agent.**

Both the patent and trade-mark legislation therefore provide that firms may act as agents before the Offices, as long as one of their members is entered on the register or list of agents. It is generally recognised that the term "firm" includes partnerships, and the Offices have already allowed general partnerships and limited liability partnerships to be entered on the register or list of agents. The Offices consider that limited partnerships are also firms, and that they are entitled to act as agents before the

13. Énoncé de pratique

LES SOCIÉTÉS EN COMMANDITE PEUVENT ÊTRE INSCRITES AU REGISTRE DES AGENTS DE BREVETS ET SUR LA LISTE DES AGENTS DE MARQUES DE COMMERCE

Nota : *Le présent énoncé de pratique a pour but de préciser les pratiques actuelles du Bureau des brevets et du Bureau des marques de commerce et l'interprétation faite par ces derniers de certaines dispositions législatives. Toutefois, en cas de divergence entre le présent énoncé et la législation applicable, c'est la législation qui prévaudra.*

Le Bureau des brevets et le Bureau des marques de commerce (ci-après appelés conjointement « les Bureaux ») ont reçu des questions à savoir si les sociétés en commandite (en anglais « limited partnerships ») ont le droit d'agir en tant qu'agents de brevets et de marques de commerce auprès des Bureaux.

En ce qui concerne le registre des agents de brevets, l'article 15 de la *Loi sur les brevets* prévoit qu'un registre des agents de brevets est tenu au Bureau des brevets sur lequel sont inscrits les noms de toutes les personnes et entreprises ayant le droit de représenter les demandeurs dans la présentation et la poursuite des demandes de brevet ou dans toute autre affaire devant le Bureau des brevets. Aux termes de l'article 2 des *Règles sur les brevets*, « agent de brevets » s'entend de toute personne ou maison d'affaires dont le nom est inscrit au registre des agents de brevets aux termes de l'article 15. L'alinéa 15c) des *Règles sur les brevets* prévoit que le commissaire inscrit au registre des agents de brevets, moyennant paiement de la taxe prévue à l'article 33 de l'annexe II, le nom de **toute maison d'affaires dont le nom d'au moins un membre est inscrit au registre des agents de brevets**.

En ce qui concerne la liste des agents de marques de commerce, le paragraphe 28(2) de la *Loi sur les marques de commerce* prévoit que la liste des agents de marques de commerce comporte les noms des personnes et études habilitées à représenter les intéressés dans la présentation et la poursuite des demandes d'enregistrement des marques de commerce et de toute affaire devant le Bureau des marques de commerce. Aux termes de l'alinéa 21d) du *Règlement sur les marques de commerce* (1996), le registraire, sur demande écrite et sur paiement du droit prévu à l'article 19 de l'annexe, inscrit sur la liste des agents de marques de commerce le nom de **toute firme dont le nom d'au moins un membre est inscrit sur la liste à titre d'agent de marques de commerce.**

La législation actuelle sur les brevets et celle sur les marques de commerce prévoient donc que des firmes peuvent agir en tant qu'agents auprès des Bureaux, à condition que l'un de leurs membres soit inscrit au registre ou à la liste des agents. Il est généralement admis que le terme « firme » inclut les sociétés (en anglais «partnerships ») et les Bureaux ont déjà autorisé des sociétés en nom collectif (en anglais « general partnerships») ainsi que des sociétés à responsabilité limitée

Offices.

(en anglais « limited liability partnerships ») à être inscrites au registre ou à la liste des agents. Les Bureaux considèrent que les sociétés en commandite sont aussi des firmes et qu'elles ont le droit d'agir en tant qu'agents auprès des Bureaux.

Therefore, commencing immediately, the Offices will enter upon request, on the register or list of agents, limited partnerships that otherwise meet the requirements set out in the patent and trade-mark legislation.

En conséquence, sur demande, les Bureaux inscriront désormais au registre, ou à la liste des agents, les sociétés en commandite qui répondent aux exigences de la *Loi sur les brevets et de la Loi sur les marques de commerce.*

The Offices, however, continue to consider that the current patent and trade-mark legislation do not allow corporations to be entered on the register or list of agents, since corporations do not have members and therefore cannot meet the requirements set out in paragraph 15(c) of the *Patent Rules* and paragraph 21(d) of the *Trade-mark Regulations* (1996).

Les Bureaux continuent toutefois de considérer que la législation actuelle sur les brevets et les marques de commerce ne permet pas aux compagnies (en anglais « corporations ») d'être inscrites au registre ou à la liste des agents, étant donné que les compagnies n'ont pas de membres et ne peuvent donc pas satisfaire aux exigences de l'alinéa 15c) des *Règles sur les brevets* et de l'alinéa 21d) du *Règlement sur les marques de commerce* (1996).

14. Correspondence Procedures

June 20, 2017

1. Physical Delivery of Correspondence to CIPO
2. Electronic Correspondence
3. Details concerning the electronic formats accepted
4. General Information
5. Statutory Holidays
6. Procedures in case of an unexpected Office closure at CIPO
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8. Intellectual property acts, rules and regulations

14. Procédures de correspondance

le 20 juin, 2017

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2. Correspondance électronique
3. Précisions concernant les formats électroniques acceptés
4. Renseignements généraux
5. Jours fériés
6. Procédures en cas de fermeture des bureaux
7. Procédures à suivre lorsque les clients sont incapables de communiquer avec les bureaux de l'Office de la propriété intellectuelle du Canada durant les heures d'ouverture
8. Lois, règles et règlements sur la propriété intellectuelle

This notice will replace all previous notices regarding Correspondence Procedures.

Note: *This practice notice is intended to provide guidance on current Canadian Intellectual Property Office practice and interpretation of relevant legislation. However, in the event of any inconsistency between this notice and the applicable legislation, the legislation must be followed.*

Le présent avis remplacera tous les avis antérieurs relatifs aux procédures de correspondance.

Nota : *Le présent avis fournit une orientation concernant les pratiques et interprétations relatives aux lois pertinentes au sein de l'Office de la propriété intellectuelle du Canada. Toutefois, en cas d'incompatibilité entre cet avis et la législation applicable, c'est celle-ci qu'il faudra suivre.*

1. Physical Delivery of Correspondence to CIPO

For the purposes of sections 5 and 54 of the Patent Rules, section 3 of the Trade-marks Regulations, section 2 of the Copyright Regulations, section 3 of the Industrial Design Regulations and section 3 of the Integrated Circuit Topography Regulations, the address of the Patent Office, the Office of the

1. Livraison en personne de correspondance à l'OPIC

Aux fins des articles 5 et 54 des Règles sur les brevets, de l'article 3 du Règlement sur les marques de commerce, de l'article 2 du Règlement sur le droit d'auteur, de l'article 3 du Règlement sur les dessins industriels et de l'article 3 du Règlement sur les topographies de circuits intégrés, l'adresse

Registrar of Trade-marks, the Copyright Office, the Industrial Design section of the Office of the Commissioner of Patents, and the Office of the Registrar of Topographies (hereinafter sometimes collectively referred to as "CIPO") is:

Canadian Intellectual Property Office
Place du Portage I
50 Victoria Street, Room C-114
Gatineau QC K1A 0C9

Correspondence delivered to the above address during ordinary business hours 8:30 a.m. to 4:30 p.m. (local time) will be considered to be received on the date of delivery.

Please be advised that once correspondence is received by CIPO it cannot be returned to the sender, even if the sender states that the correspondence was sent by mistake. Exceptionally, in cases where correspondence is related to a patent application that does not meet the requirements under subsection 27.1(1) of the Patent Act for obtaining a filing date, the documents will be returned to the sender.

The Fee Payment Form should always be submitted as a covering document and should be the only document submitted to CIPO that contains financial information, such as credit card numbers.

Download the Fee Payment Form.

1.1 Designated Establishments

For the purposes of subsections 5(4) and 54(3) of the Patent Rules, subsection 3(4) of the Trade-marks Regulations, subsection 2(4) of the Copyright Regulations, subsection 3(4) of the Industrial Design Regulations and subsection 3(4) of the Integrated Circuit Topography Regulations, the following are the designated establishments or designated offices to which correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be delivered **in person**:

1. Innovation, Science and Economic Development Canada
   C.D. Howe Building
   235 Queen Street, Room S-143
   Ottawa ON K1A 0H5
   Tel.: 343-291-3436

   8:30 a.m. to 4:30 p.m. (local time) Monday to Friday

2. Innovation, Science and Economic Development Canada
   Sun Life Building
   1155 Metcalfe Street, Room 950
   Montreal QC H3B 2V6

du Bureau des brevets, du Bureau du registraire des marques de commerce, du Bureau du droit d'auteur, de la Section des dessins industriels du Bureau du commissaire aux brevets, et du Bureau du registraire des topographies (ci-après parfois collectivement appelés « OPIC » est la suivante :

Office de la propriété intellectuelle du Canada
Place du Portage I
50, rue Victoria, pièce C-114
Gatineau (Québec) K1A 0C9

La correspondance livrée à l'adresse ci-dessus lors des heures normales d'ouverture, soit de 8h30 à 16h30 (heure locale), sera considérée comme ayant été reçue la journée même de la livraison.

Veuillez prendre note qu'une fois que l'OPIC reçoit de la correspondance, il ne peut pas la retourner à l'expéditeur, même si l'expéditeur indique que la correspondance a été envoyée par erreur. Exceptionnellement, dans le cas où la correspondance vise une demande de brevet ne satisfaisant pas aux exigences du paragraphe 27.1(1) de la Loi sur les brevets pour l'obtention d'une date de dépôt, les documents seront retournés à l'expéditeur.

Le formulaire de paiements devrait toujours être présenté comme page couverture et devrait être le seul document soumis à l'OPIC contenant de l'information financière telle que les numéros de carte de crédit.

Téléchargez le formulaire de paiements.

1.1 Établissements désignés

Aux fins des paragraphes 5(4) et 54(3) des Règles sur les brevets, du paragraphe 3(4) du Règlement sur les marques de commerce, du paragraphe 2(4) du Règlement sur le droit d'auteur, du paragraphe 3(4) du Règlement sur les dessins industriels et du paragraphe 3(4) du Règlement sur les topographies de circuits intégrés, les établissements ou bureaux désignés où peut être livrée **en personne** la correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies sont les suivants :

1. Innovation, Sciences et Développement économique Canada
   Édifice C.D. Howe
   235, rue Queen, pièce S-143
   Ottawa (Ontario) K1A 0H5
   Tél. : 343-291-3436

   8 h 30 à 16 h 30 (heure locale) du lundi au vendredi

2. Innovation, Sciences et Développement économique Canada
   Édifice Sun Life
   1155, rue Metcalfe, bureau 950
   Montréal (Québec) H3B 2V6

Tel.: 514-496-1797
Toll-free: 1-888-237-3037

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday

3. Innovation, Science and Economic Development Canada
151 Yonge Street, 4th Floor
Toronto ON M5C 2W7
Tel.: 416-973-5000

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday

4. Innovation, Science and Economic Development Canada
Canada Place
9700 Jasper Avenue, Suite 725
Edmonton AB T5J 4C3
Tel.: 780-495-4782
Toll-free: 1-800-461-2646

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday

5. Innovation, Science and Economic Development Canada
Library Square
300 West Georgia Street, Suite 2000
Vancouver BC V6B 6E1
Tel.: 604-666-5000

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday

Correspondence delivered, during ordinary business hours, to one of the designated establishments listed above, will be considered to be received on the date of delivery to that designated establishment, only if it is also a day on which CIPO is open for business. Correspondence delivered to a designated establishment on a day when CIPO is closed for business will be considered to be received on the next day on which CIPO is open for business. For example, correspondence delivered to the designated establishment in Toronto on June 24 will not be considered received on June 24 since CIPO is closed for business. The correspondence will be considered received on the next day CIPO is open for business.

Please note that documents delivered to the addresses listed above must be enclosed in a sealed envelope.

1.2. Registered Mail™ and Xpresspost™ services of Canada Post

For the purposes of subsections 5(4) and 54(3) of the Patent Rules, subsection 3(4) of the Trade-marks Regulations, subsection 2(4) of the Copyright Regulations, subsection 3(4) of the Industrial Design Regulations and subsection 3(4) of the Integrated Circuit Topography Regulations, the Registered Mail™ and Xpresspost™ services of Canada Post are designated establishments or designated offices to which

Tél. : 514-496-1797
Sans frais : 1-888-237-3037

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi

3. Innovation, Sciences et Développement économique Canada
151, rue Yonge, 4e étage
Toronto (Ontario) M5C 2W7
Tél. : 416-973-5000

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi

4. Innovation, Sciences et Développement économique Canada
Canada Place
9700, avenue Jasper, pièce 725
Edmonton (Alberta) T5J 4C3
Tél. : 780-495-4782
Sans frais : 1-800-461-2646

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi

5. Innovation, Sciences et Développement économique Canada
Library Square
300, rue Georgia Ouest, pièce 2000
Vancouver (C.-B.) V6B 6E1
Tél. : 604-666-5000

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi

La correspondance livrée pendant les heures normales d'ouverture à l'un des établissements désignés susmentionnés sera réputée reçue à la date de livraison à cet établissement seulement si l'OPIC est ouvert au public à cette même date. Sinon, elle sera réputée avoir été reçue à la date du jour d'ouverture suivant de l'OPIC. Par exemple, la correspondance livrée à un établissement désigné à Toronto le 24 juin ne sera pas considérée comme ayant été reçue le 24 juin, puisque les bureaux de l'OPIC seront fermés. La correspondance sera considérée comme ayant été reçue lors de la prochaine journée ouvrable de l'OPIC.

Prendre note que les documents livrés aux adresses énumérées ci-dessus doivent être insérés dans une enveloppe scellée.

1.2. Services Courrier recommandé^MC et Xpresspost^MC de Postes Canada

Aux fins des paragraphes 5(4) et 54(3) des Règles sur les brevets, du paragraphe 3(4) du Règlement sur les marques de commerce, du paragraphe 2(4) du Règlement sur le droit d'auteur, du paragraphe 3(4) du Règlement sur les dessins industriels et du paragraphe 3(4) du Règlement sur les topographies de circuits intégrés, les services Courrier recommandé^MC et Xpresspost^MC de Postes Canada sont des

correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be delivered.

établissements ou des bureaux désignés auxquels la correspondance adressée au commissaire aux brevets, au Registraire des marques de commerce, au Bureau du droit d'auteur ou au Registraire des topographies peut être livrée.

CIPO considers that correspondence delivered through the Registered Mail™ and Xpresspost™ services of Canada Post is received by CIPO on the day indicated on the mailing receipt provided by Canada Post, or if CIPO is closed for business on that day, on the day when CIPO is next open for business.

L'OPIC considère que la correspondance livrée par l'entremise des services Courrier recommandé[MC] et Xpresspost[MC] de Postes Canada sont reçus par l'OPIC le jour indiqué sur le reçu de confirmation émis par Postes Canada, ou si l'OPIC est fermé au public ce jour-là, le jour de la réouverture de l'OPIC.

2. Electronic Correspondence

In accordance with section 8.1 of the Patent Act, and for the purposes of subsections 5(6), 54(5), and 68(3) of the Patent Rules, subsection 3(6) of the Trade-marks Regulations, subsection 2(6) of the Copyright Regulations, subsection 3(6) of the Industrial Design Regulations, and subsection 3(6) of the Integrated Circuit Topography Regulations, correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be sent by facsimile, online or on an electronic medium only as provided in the current notice.

In accordance with subsection 54(5) of the Patent Rules, the request for national entry is the only correspondence addressed to the Commissioner in respect of an international application that can be submitted online or on an electronic medium with the exception of sequence listings, applications prepared using the PCT-SAFE software or prepared using WIPO's ePCT online service as specified in the current notice. Other correspondence submitted online or on an electronic medium in respect of international applications that have not entered the national phase will not be accepted.

Subsection 3(9) of the Trade-marks Regulations specifies certain categories of correspondence to which the provisions of subsection 3(6) do not apply and which thus may not be sent by facsimile or online.

Correspondence sent by facsimile or online to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies constitutes the original, therefore a duplicate paper copy should not be forwarded.

Correspondence delivered by electronic means of transmission, including facsimile, will be considered to be received on the day that it is transmitted if delivered and received before midnight, local time at CIPO on a day when CIPO is open for business. When CIPO is closed for business, correspondence delivered on that day will be considered to be received on the next day on which CIPO is open for business.

2. Correspondance électronique

Conformément à l'article 8.1 de la Loi sur les brevets et aux fins des paragraphes 5(6), 54(5) et 68(3) des Règles sur les brevets, du paragraphe 3(6) du Règlement sur les marques de commerce, du paragraphe 2(6) du Règlement sur le droit d'auteur, du paragraphe 3(6) du Règlement sur les dessins industriels et du paragraphe 3(6) du Règlement sur les topographies de circuits intégrés, la correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies peut être transmise par télécopieur ou encore en ligne ou à l'aide d'un support électronique et ce, seulement de la manière indiquée dans le présent avis.

Conformément au paragraphe 54(5) des Règles sur les brevets, la demande d'entrée en phase nationale d'une demande internationale est la seule correspondance adressée au commissaire qui peut être présentée en ligne ou sur support électronique, à l'exception des listages de séquences, des demandes préparées à l'aide du logiciel PCT-SAFE ou préparées à l'aide du service en ligne ePCT de l'OMPI, tel qu'indiqué dans le présent avis. Toute autre correspondance présentée en ligne ou sur support électronique relativement à des demandes internationales qui ne sont pas entrées dans la phase nationale ne sera pas acceptée.

Le paragraphe 3(9) du Règlement sur les marques de commerce prévoit certaines catégories de correspondance auxquelles les dispositions du paragraphe 3(6) ne s'appliquent pas et qui, par conséquent, ne peuvent pas être envoyées par télécopieur ou en ligne.

La correspondance envoyée par télécopieur ou en ligne au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies tient lieu d'original. Par conséquent, une copie sur support papier ne devrait pas être expédiée.

La correspondance livrée et reçue par voie électronique, y compris par télécopieur, est réputée reçue à l'OPIC le jour même avant minuit, heure locale, lorsque l'OPIC est ouvert au public. Si elle est transmise un jour où l'OPIC est fermé au public, elle est réputée reçue à la date du jour d'ouverture suivant de l'OPIC.

2.1 Facsimile

Facsimile correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be sent to the following facsimile numbers:

- (819) 953-CIPO (2476) or
- (819) 953-OPIC (6742)

Facsimile correspondence that is sent to any facsimile number other than those indicated above, including those of a designated establishment or designated office, will be considered not to have been received.

The electronic transmittal report returned to you following your facsimile transmission will constitute your acknowledgment receipt. Confidentiality of the facsimile transmission process cannot be guaranteed. Please note that CIPO strongly discourages the use of a computer facsimile interface or internet-based facsimile services due to technical issues with reception.

When submitting a document by facsimile that also has a fee requirement, notification of the preferred mode of payment to be applied must be prominently displayed on the Fee Payment Form to ensure expedient processing.

Patents

The document presentation requirements set out in sections 69 and 70 of the Patent Rules apply to facsimile correspondence.

2.1 Correspondance par télécopieur

La correspondance par télécopieur adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies peut être transmise aux numéros ci-dessous :

- 819-953-OPIC (6742) ou
- 819-953-CIPO (2476)

La correspondance qui est transmise par télécopieur à tout autre numéro de télécopieur que ceux qui sont indiqués ci-dessus, y compris ceux d'établissements ou de bureaux désignés, sera réputée non reçue.

Le rapport de transmission électronique que vous recevrez après votre envoi par télécopieur constituera votre accusé de réception. La confidentialité du processus de transmission électronique ne peut pas être garantie. Veuillez noter que l'OPIC décourage fortement l'utilisation d'interface de télécopie par ordinateur ou de services de télécopie par le biais d'internet étant donné les problèmes techniques probables avec la réception.

Quand on transmet par télécopieur un document comprenant une demande d'acquittement de frais, il faut clairement indiquer le mode de paiement préféré sur le formulaire de paiements en vue d'assurer un traitement rapide.

Brevets

Les exigences relatives à la présentation des documents énoncées aux articles 69 et 70 des Règles sur les brevets s'appliquent à la correspondance par télécopieur.

2.2 Online

Correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be sent electronically using the relevant links below.

Patents

For the purpose of subsection 5(6) of the Patent Rules, correspondence addressed to the Commissioner may be sent electronically by accessing the following pages:

- filing an application (regular application);
- filing a request for national entry;
- filing an international application (PCT Safe or ePCT);
- general correspondence relating to applications and patents;
- maintaining the name of a patent agent on the register

2.2 En ligne

La correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies peut être transmise par voie électronique.

Brevets

Aux fins du paragraphe 5(6) des Règles sur les brevets, la correspondance adressée au commissaire peut être envoyée par voie électronique, notamment par le biais des pages suivantes :

- déposer une demande (demande régulière);
- déposer une demande d'entrée dans la phase nationale;
- déposer une demande internationale (PCT Safe ou ePCT);
- correspondance générale concernant des demandes et des brevets;
- maintien du nom d'un agent de brevets dans le registre

of patent agents; and

- ordering copies in paper, or electronic form of a document.

des agents de brevets;

- commande de copies papier ou d'un document sous forme électronique.

Canada as Receiving Office Under the PCT: PCT-SAFE

Pursuant to PCT Rule 89bis, CIPO, in its role as a receiving Office, accepts the electronic filing of an international application prepared using the latest version of the WIPO's PCT-Safe software and applications prepared using WIPO's ePCT online service. Filing in both cases must be done using CIPO's International Filing e-service, called PCT E-Filing.

Note: Correspondence related to PCT international applications can not be sent electronically to CIPO. Correspondence may be sent by mail, by facsimile or delivered by hand to CIPO or to a designated establishment.

Le Canada comme office récepteur au titre du PCT : PCT-SAFE et ePCT

Conformément à la Règle 89bis du PCT, l'OPIC, à titre d'office récepteur, accepte le dépôt d'une demande internationale préparée à l'aide de la plus récente version du logiciel PCT-SAFE de l'OMPI, et d'une demande préparée à l'aide du service en ligne ePCT de l'OMPI. Dans les deux cas, le dépôt doit se faire à l'aide du service électronique de dépôt de demandes internationales de l'OPIC, appelé Dépôt en ligne de demandes PCT.

Note: La correspondance liée aux demandes internationales PCT ne peut être envoyée par voie électronique à l'OPIC. La correspondance peut être envoyée par courrier, par télécopieur ou remis en mains à l'OPIC ou à un établissement désigné.

Trademarks

For the purpose of subsection 3(6) of the Trade-marks Regulations, the following correspondence addressed to the Registrar of Trade-marks may be sent electronically by accessing the following pages:

- filing a new or revised trademark application;
- renewal of a trademark registration;
- request to enter a name on the list of trademark agents;
- annual renewal of a trademark agent;
- requesting copies of trademark documents;
- filing of a declaration of use;
- registration of a trademark application;
- statement of Opposition; and
- extensions of time in trademark opposition cases

Marques de commerce

Aux fins du paragraphe 3(6) du Règlement sur les marques de commerce, la correspondance indiquée ci-dessous qui est adressée au registraire des marques de commerce peut être envoyés par voie électronique, notamment par les pages suivantes :

- nouvelle demande ou demande modifiée d'enregistrement de marque de commerce;
- renouvellement de l'enregistrement d'une marque de commerce;
- demande d'inscription d'un nom à la liste des agents de marques de commerce;
- renouvellement annuel d'un agent de marques de commerce;
- commande de copies de documents de marques de commerce,
- dépôt d'une déclaration d'emploi;
- l'enregistrement d'une marque de commerce
- dépôt d'une déclaration d'opposition; et
- demande de prolongation de délai dans une procédure d'opposition.

Copyright

For the purpose of subsection 2(6) of the Copyright Regulations, the following correspondence addressed to the Copyright Office may be sent electronically, by accessing the following pages:

- application for registration of a copyright in a work,
- application for registration of a copyright in a performer's performance, sound recording or a

Droits d'auteur

Aux fins du paragraphe 2(6) du Règlement sur le droit d'auteur, la correspondance indiquée ci-dessous qui est adressée au Bureau du droit d'auteur peut être transmise par voie électronique. Pour ce faire, il faut accéder aux pages suivantes :

- demande d'enregistrement d'un droit d'auteur sur une œuvre,
- demande d'enregistrement d'un droit d'auteur sur une prestation, un enregistrement sonore ou un signal de

communication signal;
- filing a grant of interest;
- request for certificate of correction;
- ordering copies in paper, or electronic form of a document; and
- general correspondence relating to copyright.

communication;
- dépôt d'une concession d'intérêt;
- demande de certificat de correction;
- commande de copies des documents papier ou électroniques et
- correspondance générale relative aux droits d'auteur.

Industrial Designs

For the purpose of subsection 3(6) of the Industrial Design Regulations, the following correspondence addressed to the Commissioner of Patents may be sent electronically, by accessing the following pages:

- application for registration of an industrial design;
- ordering copies in paper, or electronic form of a document;
- general correspondence relating to industrial designs; and
- payment of industrial design maintenance fees.

Dessins industriels

Aux fins du paragraphe 3(6) du Règlement sur les dessins industriels, la correspondance indiquée ci-dessous qui est adressée au commissaire aux brevets peut être transmise par voie électronique. Pour ce faire, il faut accéder aux pages suivantes :

- demande d'enregistrement d'un dessin industriel;
- commande de copies de documents papier ou électroniques;
- correspondance générale relative aux dessins industriels; et
- paiement des droits de maintien des dessins industriels.

Integrated Circuit Topographies

For the purpose of subsection 3(6) of the Integrated Circuit Topography Regulations, the following correspondence addressed to the Registrar of Topographies may be sent electronically, by accessing the following page:

- general correspondence relating to integrated circuit topographies.

Topographies de circuits intégrés

Aux fins du paragraphe 3(6) du Règlement sur les topographies de circuits intégrés, la correspondance indiquée ci-dessous qui est adressée au registraire des topographies peut être transmise par voie électronique. Pour ce faire, il faut accéder à la page suivante :

- correspondance générale relative aux topographies de circuits intégrés.

2.3 Electronic medium

Patents

The Patent Office will accept correspondence on various types of electronic medium as specified below. The electronic medium should contain a table of contents and be provided with a cover letter, which will be date stamped by CIPO and placed in the application file. Filing date requirements prescribed in the Patent Rules still remain.

When submitted on an electronic medium, the parts of the application must be logically broken down in files, which are no larger than 25 megabytes.

With regards to sequence listings under Rule 111 of the Patent Rules, the electronic medium must be separate from any electronic medium which may be filed containing parts of the

2.3 Supports électroniques

Brevets

Le Bureau des brevets acceptera la correspondance transmise à l'aide de divers supports électroniques, tel qu'indiqué ci-dessous. Le support électronique devrait contenir une table des matières et être accompagné d'une lettre explicative, laquelle sera datée par l'OPIC et placée dans le dossier de la demande. Les exigences relatives à la date de dépôt énoncées dans les Règles sur les brevets resteront applicables.

Les parties d'une demande qui sont présentées sur support électronique doivent être logiquement réparties en fichiers de 25 mégaoctets au maximum.

En ce qui concerne les listages des séquences prévus à l'article 111 des Règles sur les brevets, le support électronique doit être distinct de tout support électronique qui peut être déposé et qui

application itself or amendment(s) thereof.

contient des parties de la demande elle-même ou des modifications relatives à la demande.

Canada as Receiving Office Under the PCT: Electronic Filing of Sequence Listings

Pursuant to PCT Rules 89bis and 89ter, and in accordance with Part 7 of the PCT Administrative Instructions, where an international application contains disclosure of one or more nucleotide and/or amino acid sequence listings, CIPO, in its role as a receiving Office, accepts that the sequence listing part of the description and/or any table related to the sequence listing(s) be filed, at the option of the applicant:

i. only on an electronic medium in electronic form in accordance with section 702 of Part 7 of the PCT Administrative Instructions; or

ii. both on an electronic medium in electronic form and on paper in accordance with section 702 of Part 7 of the PCT Administrative Instructions;

provided that the other elements of the international application are filed as otherwise provided for under the PCT.

The sequence listing part of an international application filed in electronic form and related tables filed in electronic form shall comply with the relevant provisions of Annex C and C-bis of the PCT Administrative Instructions respectively.

For this purpose the Canadian receiving Office will accept any electronic media specified in Annex F of the PCT Administrative Instructions. Where both the sequence listing and the tables are filed in electronic form, the listing and the tables shall be contained on separate electronic media, which shall contain no other programs or files.

For the purpose of processing the international application, the Canadian receiving Office requires two (2) additional copies of the electronic media containing the sequence listing and/or tables in electronic form, accompanied by a statement that the sequence listings and/or tables contained in the copies are identical to those in electronic form as filed.

For further details concerning the filing of sequence listings and/or tables in electronic form, including the labeling of the electronic media and the calculation of the international filing fee, refer to section 7 of the PCT Administrative Instructions.

Le Canada comme office récepteur au titre du PCT : Dépôt électronique des listages de séquences

Conformément aux Règles 89bis et 89ter du PCT et à la Partie 7 des Instructions administratives du PCT, lorsqu'une demande internationale contient la divulgation d'un ou de plusieurs listages des séquences de nucléotides et/ou d'acides aminés, à titre d'office récepteur l'OPIC accepte le dépôt de la partie de la description contenant les listages des séquences et/ou de tout tableau relatif aux listages des séquences et ce, à la discrétion du requérant :

i. seulement sous forme électronique et sur support électronique, conformément à l'article 702 de la Partie 7 des Instructions administratives du PCT, ou

ii. sur support papier et sur support électronique sous forme électronique, conformément à l'article 702 de la Partie 7 des Instructions administratives du PCT,

à condition que les autres éléments de la demande internationale soient déposés conformément aux dispositions du PCT.

Dans une demande internationale déposée sous forme électronique, la partie qui contient le listage des séquences et les tableaux connexes seront conformes aux dispositions pertinentes de l'Annexe C et de l'Annexe C-bis des Instructions administratives du PCT, respectivement.

À cette fin, l'office récepteur canadien acceptera tout support électronique prévu à l'Annexe F des Instructions administratives du PCT. Lorsque le listage des séquences et les tableaux sont déposés sous forme électronique, ils le seront sur des supports électroniques distincts ne contenant pas d'autres programmes ni fichiers.

Aux fins du traitement de la demande internationale, l'office récepteur canadien exige deux (2) copies supplémentaires du support électronique contenant le listage de séquences et/ou les tableaux sous forme électronique, accompagnées d'une déclaration indiquant que le listage des séquences et/ou les tableaux contenus dans les copies sont identiques à ceux qui ont été déposés sous forme électronique.

On trouvera à l'article 7 des Instructions administratives du PCT des détails supplémentaires sur le dépôt de listages des séquences et/ou de tableaux sous forme électronique, notamment sur l'étiquetage des supports électroniques et le calcul de la taxe de dépôt internationale.

Electronic Media accepted by the Patent Office

The Patent Office will accept 3.5 inch diskette, CD-ROM, CD-R, DVD, DVD-R and any format as specified in Annex F of

Supports électroniques acceptés par le Bureau des brevets

Le Bureau de brevets acceptera des disquettes 3,5 pouces, CD-ROM, CD-R, DVD, DVD-R et tout format spécifié à l'Annexe

the PCT Administration Instructions.

F des Instructions administratives du PCT.

The electronic medium must also be free of worms, viruses or other malicious content. Files with malicious content will be deleted.

Le support électronique doit aussi être exempt de tout ver, virus ou autre contenu malveillant. Les fichiers ayant un contenu malveillant seront effacés.

3. Details concerning the electronic formats accepted

3. Précisions concernant les formats électroniques acceptés

Patents

In accordance with section 8.1 of the Patent Act, and for the purposes of subsections 5(6), 54(5), and 68(3) of the Patent Rules, the acceptable file formats for documents submitted electronically using the relevant links set out in section 2.2 of these correspondence procedures or on electronic media are TIFF and PDF. In order to get a correspondence date, the office will accept documents initially filed in other formats provided they are viewable with the software "Stellent Quick View Plus 8.0.0". In these cases, the office will request the documents to be replaced by documents in PDF or TIFF and the submission of a statement to the effect that the replacement documents are the same as the documents initially filed.

Sequence listings can be initially provided in TIFF, PDF or in ASCII file formats. However, as a completion requirement according to section 94 of the Patent Rules, a sequence listing in the ASCII format compliant with the "PCT sequence listing standard" has to be submitted. Therefore, CIPO encourages applicants to submit the sequence listings in the ASCII format in the first place.

When applicable, the Patent Office will accept files in the TIFF, PDF and ASCII format when they comply with the following specifications:

TIFF Format:

- TIFF CCITT Group 4, single or multi-page, black and white;
- Resolution of either 300 or 400 dpi;
- The dimensions of the scanned/stored images should match that of the paper requirements, namely 8 ½" by 11" or A4.

PDF Format:

- Adobe Portable Document Format Version 1.4 compatible;
- Non-compressed text to facilitate searching;
- Unencrypted text;
- No embedded OLE objects;
- All fonts must be embedded and licensed for distribution.

Brevets

Conformément à l'article 8.1 de la Loi sur les brevets et aux fins des paragraphes 5(6), 54(5) et 68(3) des Règles sur les brevets, les formats de fichiers acceptables pour les documents présentés par voie électronique en utilisant les liens spécifiés à l'article 2.2 de ces procédures de correspondance ou sur support électronique sont les formats TIFF et PDF. Pour qu'une date de correspondance soit attribuée, le Bureau acceptera des documents initialement déposés dans d'autres formats à condition qu'ils soient consultables à l'aide du logiciel « Stellent Quick View Plus 8.0.0 ». Dans de tels cas, le Bureau exigera le remplacement des documents par des fichiers en format PDF ou TIFF, ainsi qu'une déclaration indiquant que ces fichiers sont identiques aux documents initialement déposés.

Les listages des séquences peuvent être initialement déposés sous forme de fichiers TIFF, PDF ou ASCII. Toutefois, afin de compléter la demande, conformément à l'article 94 des Règles sur les brevets, un listage des séquences en format ASCII conforme à la Norme PCT de listage des séquences devra être présenté. L'OPIC encourage donc les demandeurs à déposer les listages de séquences en format ASCII dès le départ.

Le cas échéant, le Bureau des brevets acceptera des fichiers en format TIFF, PDF et ASCII s'ils sont conformes aux spécifications suivantes :

Format TIFF

- TIFF CCITT Groupe 4, une ou plusieurs pages, noir et blanc
- Résolution : 300 ou 400 ppp
- Les dimensions des images balayées par scanner ou mémorisées doivent être compatibles avec celles qui sont requises pour les papiers, soit 8 1/2 po par 11 po ou A4.

Format PDF

- Compatible avec Adobe Portable Document Format Version 1.4
- Texte non comprimé, pour faciliter la recherche
- Texte non chiffré
- Pas d'objets OLE incorporés
- Toutes les polices de caractère doivent être incorporées et leur distribution doit être autorisée.

ASCII

- Shall be encoded using IBM Code Page 437, IBM Code Page 932 or a compatible code page.

Industrial Design

For the purposes of subsection 3(6) of the Industrial Design Regulations, the acceptable file formats for documents submitted electronically using the relevant links set out in section 2.2 of these correspondence procedures are: TIFF, JPEG, WPD and Doc. In order to get a correspondence date, the Office will accept documents initially filed in other formats provided they are viewable with the software "Stellent Quick View Plus 8.0.0". In these cases, the Office will request the documents to be replaced by documents in one of the acceptable formats and the submission of a statement to the effect that the replacement documents are the same as the documents initially filed.

When submitting images electronically, we strongly encourage clients to comply with the following specifications:

TIFF Format:

- TIFF CCITT Group 4, single or multi-page, black and white;
- The dimensions of the scanned/stored images should match that of the paper requirements, namely 8 ½" by 11";
- Resolution of 300 dpi

Photographs in JPEG Format:

- JPEG compression, Gray Scale 8 bit (256 Shades of Gray);
- The dimensions of the scanned/stored images should match that of the paper requirements, namely 8 ½" by 11";
- Resolution of 300 dpi

For all images submitted in different formats, the office may print and scan the images or convert them to recommended formats prior to loading them in the database. If the office converts files to an acceptable format this could result in a change in quality to the drawings.

ASCII

- Le texte sera encodé à l'aide des pages de codes IBM 437 ou IBM 932 ou d'une page de codes compatible.

Dessins industriels

Aux fins des paragraphes 3(6) et 12(3) du Règlement sur les dessins industriels, les formats de fichiers acceptables pour les documents présentés par voie électronique en utilisant les liens spécifiés à l'article 2.2 de ces procédures de correspondance sont : TIFF, JPEG, WPD et DOC. Pour qu'une date de correspondance soit attribuée, le Bureau acceptera des documents initialement déposés dans d'autres formats, à condition qu'ils soient consultables à l'aide du logiciel « Stellent Quick View Plus 8.0.0 ».Dans de tels cas, le Bureau exigera le remplacement des documents par des fichiers présentés dans un des formats acceptables, ainsi qu'une déclaration indiquant que ces fichiers sont identiques aux documents déposés à l'origine.

Nous encourageons fortement les clients à respecter les spécifications suivantes lorsqu'ils déposent des images par voie électronique :

Format TIFF :

- TIFF CCITT Groupe 4, une ou plusieurs pages, noir et blanc
- Les dimensions des images balayées par scanner ou mémorisées doivent être compatibles avec celles qui sont requises pour les papiers, soit 8 1/2 po par 11 po
- Résolution : 300 ppp

Photographies en format JPEG :

- Compression JPEG, échelle de gris de 8 bits (256 tons de gris)
- Les dimensions des images balayées par scanner ou mémorisées doivent être compatibles avec celles qui sont requises pour les papiers, soit 8 1/2 po par 11 po
- Résolution : 300 ppp

Pour toutes les images soumises dans différents formats, le bureau peut imprimer et balayer les images par scanner ou les convertir dans les formats recommandés avant leur chargement dans la base de données. Si le bureau convertit les fichiers dans un format acceptable, ceci pourrait résulter en un changement de la qualité des dessins.

4. General Information

General information may be obtained by communicating with CIPO's Client Service Centre.

4. Renseignements généraux

On pourra obtenir des renseignements généraux en communiquant avec le Centre de services à la clientèle de l'OPIC.

5. Statutory Holidays

- Time limits under the Patent, Trade-marks, Industrial Design, Copyright and Integrated Circuit Topography Acts
- Time limits under the Patent and Trade-marks Act
- Time limits under the Patent Cooperation Treaty
- Provincial and Territorial Holidays
- When Patent and Trademarks Offices are closed for business

5. Jours fériés

- Délais prévus dans les lois sur les brevets, les marques de commerce, les dessins industriels, le droit d'auteur et les topographies de circuits intégrés
- Délais prévus dans la Loi sur les brevets et dans la Loi sur les marques de commerce
- Délais prévus dans le Traité de coopération en matière de brevets
- Jours fériés provinciaux ou territoriaux
- Jours de fermeture au public des bureaux des brevets et des marques de commerce

Time limits under the Patent, Trade-marks, Industrial Design, Copyright and Integrated Circuit Topography Acts

In accordance with section 26 of the Interpretation Act, any person choosing to deliver a document to a designated establishment (including CIPO's offices in Gatineau, Quebec; an Innovation, Science and Economic Development Canada regional office or the Registered Mail™ and Xpresspost™ services of Canada Post) where a federal, provincial or territorial holiday exists, is entitled to an extension of any time limit for the filing of the document that expires on the holiday, until the next day that is not a holiday. It is to be noted, in respect of provincial and territorial holidays, that the entitlement to the extension is dependent on the establishment to which the document is delivered and not on the place of residence of the person for whom the document is filed or of their agent. For this purpose, documents transmitted to CIPO by electronic means, including by facsimile, would be considered to be delivered to CIPO's offices in Gatineau, Quebec.

CIPO has no practical way of keeping track of the establishment to which documents are delivered. Accordingly, where a person has a time limit for the filing of a document that expires on a provincial or territorial holiday but only delivers the document on the next day that is not a holiday, CIPO will assume that the document was delivered to an establishment that would justify an extension of the time limit. In such circumstances, it will be the responsibility of the person filing the document to ensure that he or she is properly entitled to any needed extension of the time limit.

Délais prévus dans les lois sur les brevets, les marques de commerce, les dessins industriels, le droit d'auteur et les topographies de circuits intégrés

Selon l'article 26 de la Loi d'interprétation, lorsqu'une personne choisit de livrer un document à un établissement désigné (y compris les bureaux de l'OPIC à Gatineau, au Québec, un bureau régional d'Innovation, Sciences et Développement économique Canada ou le service Courrier recommandé de Postes Canada) dans une province où il y a un jour férié fédéral, provincial ou territorial, tout délai fixé pour le dépôt du document, qui expire un jour férié peut être prorogé jusqu'au jour non férié suivant. Dans le cas d'un jour férié provincial ou territorial, il convient de souligner que le droit à la prorogation dépend de l'établissement auquel le document est livré et non du lieu de résidence de la personne pour laquelle le document est déposé ou de son agent. À cet égard, les documents envoyés à l'OPIC par un moyen électronique, y compris par télécopieur, sont réputés être livrés aux bureaux de l'OPIC à Gatineau, au Québec.

En pratique, l'OPIC n'a aucun moyen de faire le suivi sur les établissements auxquels des documents sont livrés. Par conséquent, si le délai pour le dépôt d'un document tombe un jour férié provincial ou territorial et qu'une personne le livre seulement le jour non férié suivant, l'OPIC tiendra pour acquis que le document a été livré à un établissement qui justifierait une prorogation du délai. Dans de telles circonstances, il incombe au déposant de s'assurer qu'il a droit à une telle prorogation.

Time limits under the Patent and Trade-marks Acts

In addition to the extensions of time limits referred to above, in accordance with subsection 78(1) of the Patent Act and subsection 66(1) of the Trade-marks Act, any patent or trademark time limit that expires on a day when the Patent and Trademarks Offices are closed for business is deemed to be extended to the next day when the offices are open for business. All persons are entitled to these extensions regardless of their place of residence or of the establishment to which documents are delivered.

No equivalent provisions exist under the Industrial Design Act, the Copyright Act or the Integrated Circuit Topography Act.

Délais prévus dans la Loi sur les brevets et dans la Loi sur les marques de commerce

En plus des prorogations indiquées aux paragraphes précédents, les paragraphes 78(1) de la Loi sur les brevets et 66(1) de la Loi sur les marques de commerce stipulent que tout délai relatif aux brevets ou aux marques de commerce qui expire un jour où les bureaux des marques de commerce et des brevets sont fermés au public est réputé prorogé jusqu'au jour de réouverture de ces bureaux. Toute personne a droit à une telle prorogation quel que soit son lieu de résidence ou l'établissement auquel les documents sont livrés

Il n'existe pas de disposition équivalente dans la Loi sur les dessins industriels, la Loi sur le droit d'auteur ou dans la Loi sur les topographies de circuits intégrés.

Time limits under the Patent Cooperation Treaty

Rule 80.5 of the Regulations under the PCT provides:

If the expiration of any period during which any document or fee must reach a national Office or intergovernmental organization falls on a day:

i. on which such Office or organization is not open to the public for the purposes of the transaction of official business;

ii. on which ordinary mail is not delivered in the locality in which such Office or organization is situated;

iii. which, where such Office or organization is situated in more than one locality, is an official holiday in at least one of the localities in which such Office or organization is situated, and in circumstances where the national law applicable by that Office or organization provides, in respect of national applications, that, in such a case, such period shall expire on a subsequent day; or

iv. which, where such Office is the government authority of a Contracting State entrusted with the granting of patents, is an official holiday in part of that Contracting State, and in circumstances where the national law applicable by that Office provides, in respect of national applications, that, in such a case, such period shall expire on a subsequent day;

the period shall expire on the next subsequent day on which none of the said four circumstances exists.

CIPO takes the position that section 26 of the Interpretation Act applies to PCT international applications filed in Canada. Accordingly, where a person has a time limit under the PCT for

Délais prévus dans le Traité de coopération en matière de brevets

La règle 80.5 du Règlement d'exécution du PCT prévoit ce qui suit :

Si un délai quelconque pendant lequel un document ou une taxe doit parvenir à un office national ou à une organisation intergouvernementale expire un jour

i. où cet office ou cette organisation n'est pas ouvert au public pour traiter d'affaires officielles;

ii. où le courrier ordinaire n'est pas délivré dans la localité où cet office ou cette organisation est situé;

iii. qui, lorsque cet office ou cette organisation est situé dans plus d'une localité, est un jour férié dans au moins une des localités dans lesquelles cet office ou cette organisation est situé, et dans le cas où la législation nationale applicable par cet office ou cette organisation prévoit, à l'égard des demandes nationales, que, dans cette situation, ce délai prend fin le jour suivant; ou

iv. qui, lorsque cet office est l'administration gouvernementale d'un État contractant chargée de délivrer des brevets, est un jour férié dans une partie de cet État contractant, et dans le cas où la législation nationale applicable par cet office prévoit, à l'égard des demandes nationales, que, dans cette situation, ce délai prend fin le jour suivant;

Le délai prend fin le premier jour suivant auquel aucune de ces quatre circonstances n'existe plus.

L'OPIC estime que l'article 26 de la Loi d'interprétation s'applique aux demandes internationales du PCT déposées au Canada. Par conséquent, lorsqu'un délai prévu dans le cadre du

the filing of a document in Canada that expires on a provincial or territorial holiday but only delivers the document on the next day that is not a holiday, CIPO will assume that the document was delivered to an establishment that would justify an extension of the time limit. CIPO, however, takes no position as to whether such extensions would be recognized by other countries, and it will be the responsibility of the person filing the document to ensure that in other countries of interest they are properly entitled to any needed extension of the time limit by reason of Rule 80.5 of the Regulations under the PCT or some other applicable law.

PCT pour le dépôt d'un document au Canada expire un jour férié provincial ou territorial, si le déposant livre le document en question le jour non férié suivant, l'OPIC tiendra pour acquis que le document a été livré à un établissement où une prorogation du délai est justifiée. Toutefois, il ne se prononce pas sur l'acceptation éventuelle de ces prorogations par d'autres pays; il incombera à la personne qui dépose le document de vérifier si elle a droit à une prorogation, dans d'autres pays qui l'intéressent, en vertu de la règle 80.5 du Règlement d'exécution du PCT ou d'une autre loi pertinente.

Provincial and Territorial Holidays

For the purposes of this practice notice, CIPO has identified the following as being days that are not federal holidays but that are holidays in one or more provinces or territories:

1. **Alberta**: Third Monday in February (Alberta Family Day)
2. **British Columbia**:
   - First Monday in August (British Columbia Day)
   - Second Monday in February (British Columbia Family Day)
3. **New Brunswick**: First Monday in August (New Brunswick Day)
4. **Newfoundland and Labrador**:
   - March 17 (St. Patrick's Day)
   - April 23 (St. George's Day)
   - June 24 (Discovery Day)
   - July 12 (Orangemen's Day)
   - First Monday in August (Regatta Day)
5. **Nova Scotia**: First Monday in August (Civic Holiday)
6. **Ontario**:
   - Third Monday in February (Ontario Family Day)
   - First Monday in August (Civic Holiday)
7. **Prince Edward Island**: First Monday In August (Civic Holiday)
8. **Quebec**: June 24 (St. John the Baptist Day)
9. **Saskatchewan**: First Monday in August (Saskatchewan Day)
10. **Yukon**: Third Monday in August (Discovery Day)

Jours fériés provinciaux ou territoriaux

Aux fins du présent avis, l'OPIC a indiqué que les jours ci-après, qui ne sont pas des jours fériés pour l'administration fédérale, sont des jours fériés dans au moins une province ou territoire :

1. **Alberta** : troisième lundi de février (Jour de la Famille de l'Alberta)
2. **Colombie-Britannique** :
   - premier lundi d'août (Fête de la Colombie-Britannique)
   - euxième lundi de février (Jour de Famille de la Colombe –Britannique)
3. **Nouveau-Brunswick** : premier lundi d'août (Fête du Nouveau-Brunswick)
4. **Terre-Neuve et Labrador** :
   - 17 mars (Fête de la Saint-Patrick)
   - 23 avril (Fête de la Saint-Georges)
   - 24 juin (Journée de la Découverte)
   - 12 juillet (Jour des Orangistes)
   - Premier lundi d'août (Journée de la Régate)
5. **Nouvelle-Écosse** : premier lundi d'août (congé statutaire)
6. **Ontario** :
   - troisième lundi de février (Jour de la Famille de l'Ontario)
   - premier lundi d'août (congé statutaire)
7. **L'Île-du-Prince-Edouard** : premier lundi d'août (congé civique)
8. **Québec** : 24 juin (Saint-Jean-Baptiste)
9. **Saskatchewan** : premier lundi d'août (Fête de la Saskatchewan)
10. **Yukon** : troisième lundi d'août (Journée de la Découverte)

When CIPO's Offices are closed for business

For the purposes of subsection 78(1) of the Patent Act and subsection 66(2) of the Trade-marks Act, CIPO's Offices are closed for business on the following days:

Jours de fermeture des bureaux de l'OPIC au public

Pour l'application des paragraphes 78(1) de la Loi sur les brevets et 66(2) de la Loi sur les marques de commerce, les bureaux de l'OPIC sont fermés au public les jours suivants :

- All Saturdays and Sundays
- New Year's Day (January 1)*
- Good Friday
- Easter Monday
- Victoria Day: First Monday immediately preceding May 25
- St. John the Baptist Day (June 24)*
- Canada Day (July 1)*
- Labour Day: First Monday in September
- Thanksgiving Day: Second Monday in October
- Remembrance Day (November 11)*
- Christmas Day (December 25)*
- Boxing Day (December 26)

If December 26 falls on a Saturday, CIPO's Offices will be closed on the following Monday. If December 26 falls on a Sunday or Monday, the Offices are closed on the following Tuesday.

* If any of these holidays fall on a Saturday or Sunday, the Offices will be closed on the following Monday.

- Tous les samedi et dimanche
- Jour de l'An (1er janvier)*
- Vendredi Saint
- Lundi de Pâques
- Fête de Victoria : premier lundi précédant le 25 mai
- Saint-Jean-Baptiste (le 24 juin)*
- Fête du Canada (1er juillet)*
- Fête du travail : premier lundi de septembre
- Jour de l'Action de grâces : deuxième lundi d'octobre
- Jour du souvenir (11 novembre)*
- Jour de Noël (25 décembre)*
- L'après-Noël (26 décembre)

Si le 26 décembre est un samedi, les bureaux de l'OPIC seront fermés le lundi suivant. S'il coïncide avec un dimanche ou un lundi, les bureaux le seront le mardi d'après.

* Si l'un ou l'autre de ces jours fériés est un samedi ou un dimanche, les bureaux des brevets et marques de commerce seront fermés le lundi suivant.

6. Procedures in case of an unexpected office closure at CIPO

In case of an **emergency**, CIPO will attempt to remain open for business and ensure that essential service to our clients continues with the least possible disruption or delay.

In view of the **date-sensitive nature** of intellectual property (IP), clients are advised to address important deadlines ahead of time to minimize the risk of affecting their IP rights. For the purposes of such deadlines, unless otherwise notified, clients should assume that all due dates remain in effect.

Whenever CIPO is closed for business, including closures due to extraordinary circumstances, CIPO considers **all time limits to be extended until the next day that it is open for business**. In such situations, mail delivered to CIPO or to the designated regional offices will be considered to be received on the date that CIPO re-opens for business, with the exception of correspondence addressed to the Registrar of Topographies.

There may also be instances in which the designated regional offices may be temporarily closed, yet CIPO remains open for business. In such situations, it remains the responsibility of CIPO's clients to ensure that all deadlines are respected.

Clients are **strongly encouraged** to send date-sensitive material through Canada Post by Registered Mail™ or Xpresspost™ or electronically using the relevant links set out in section 2.2 of these correspondance procedures. Documents may continue to be faxed to CIPO at 819-953-CIPO (953-2476); however date-sensitive material requiring fee payment that is sent by fax must be accompanied by a VISA, MasterCard, or American Express credit card number, or CIPO

6. Procédures en cas de fermeture des bureaux

Dans une **situation d'urgence**, l'OPIC s'efforcera de demeurer ouvert au public et d'assurer un service essentiel à ses clients, et ce, avec le moins d'interruption ou de retard possible.

Étant donné **l'importance que revêtent les délais** en matière de propriété intellectuelle (PI), il est recommandé aux clients de minimiser les risques pouvant nuire à leurs droits en matière de PI en tenant compte à l'avance des dates limites importantes. En ce qui a trait aux délais prescrits, les clients doivent respecter toutes les dates d'échéance, à moins d'avis contraire.

Dans les cas où l'OPIC est fermé au public, y compris pour des raisons exceptionnelles, **les dates limites seront réputées être reportées au prochain jour où l'OPIC sera ouvert au public**. Le cas échéant, sauf pour la correspondance adressée au registraire des topographies, le courrier livré à l'OPIC ou aux bureaux régionaux désignés sera réputé avoir été reçu le jour où l'OPIC rouvre au public.

Il pourrait y avoir des cas où les bureaux régionaux seraient fermés temporairement, mais où l'OPIC resterait ouvert au public. Le cas échéant, les clients de l'OPIC demeurent responsables du respect de tous les échéanciers.

Les clients sont **fortement encouragés** à faire parvenir les documents assujettis à des délais précis par Postes Canada par Courrier recommandé^MC^, par Xpresspost^MC^ ou par voie électronique en utilisant les liens spécifiés à l'article 2.2 de ces procédures de correspondance. Il est toujours possible de télécopier des documents à l'OPIC en composant le 819-953-OPIC (953-6742). Cependant, les documents assujettis à des délais pour lesquels des frais sont exigés, envoyés par

deposit account number.

télécopieur, doivent être accompagnés d'un numéro de carte VISA, Mastercard ou American Express ou d'un numéro de compte de dépôt à l'OPIC.

When possible during an emergency, information and search systems will continue to be available on our website; however, services provided through the Client Service Centre and other support areas within CIPO may be temporarily unavailable. Should an emergency occur, CIPO will post information on our service interruptions as they become available and as circumstances permit.

En cas d'urgence, les systèmes d'information et de recherche seront, dans la mesure du possible, accessibles à partir de notre site Web; toutefois, les services fournis par le Centre de services à la clientèle et les autres services de soutien de l'OPIC pourraient temporairement ne pas être offerts. En cas d'urgence, l'OPIC affichera les renseignements nécessaires sur notre page d'interruptions des services lorsque ceux-ci seront disponibles et si les circonstances le permettent.

7. Procedures when CIPO is open for business but clients are unable to communicate with the Office

7. Procédures à suivre lorsque les clients sont incapables de communiquer avec les bureaux de l'Office de la propriété intellectuelle du Canada durant les heures d'ouverture

Patents, Industrial Design, Copyright and Integrated Circuit Topography

The legislative framework in relation with the abovementioned types of intellectual property does not provide CIPO with the flexibility to extend deadlines when it is open for business but clients are unable to communicate with the Office.

In these situations it remains the responsibility of clients to ensure that all deadlines are respected.

Brevets, dessins industriels, droit d'auteur et topographies de circuits intégrés

Le cadre législatif relié aux types de propriété intellectuelle mentionnés ci-haut ne permet pas à l'OPIC d'avoir la flexibilité de proroger les délais lors d'une journée ouvrable pendant laquelle les clients sont dans l'impossibilité de communiquer avec le bureau.

Dans une telle situation, les clients demeurent tenus de veiller à ce que les échéances soient respectées.

Trademarks

The Trade-marks Act and Regulations does allow clients to request a retroactive extension of time when a due date has been missed due to a force majeure type situation. For a retroactive extension of time to be granted, the Registrar of Trade-marks must be satisfied that the failure to do the act or apply for an extension of time before the original due date was not reasonably avoidable. A prescribed fee of $125 may be required in certain cases.

CIPO notes that Bill C-59 – Budget Implementation Act 2015, which received royal assent on June 23, 2015, contains provisions for extensions of time in Force Majeure-type situations (such as catastrophic events). CIPO has commenced work on regulatory amendments to the Patent Rules, Trade-Marks Regulations and the Industrial Design Regulations to bring Bill C-59 into force.

Marques de commerce

La Loi sur les marques de commerce et le Règlement sur les marques de commerce permettent aux clients de demander une prorogation rétroactive lorsqu'un délai n'a pas été respecté en raison d'une situation de force majeure. Pour qu'une prorogation rétroactive soit accordée, le registraire des marques de commerce doit être convaincu que l'omission d'accomplir l'acte ou de demander la prorogation avant la date initiale d'échéance n'était pas raisonnablement évitable. Un droit prescrit de 125 $ peut être exigé dans certains cas.

L'OPIC souligne que le projet de loi C-59 – Loi d'exécution du budget 2015, qui a reçu la sanction royale le 23 juin 2015, renferme des dispositions permettant la prorogation de délais dans des cas de force majeure (événements catastrophiques par exemple). L'OPIC a entamé des travaux visant à apporter des modifications réglementaires aux Règles sur les brevets, au Règlement sur les marques de commerce et au Règlement sur les dessins industriels afin de mettre le projet de loi C-59 en vigueur.

8. Intellectual property acts, rules and regulations

- Copyright Act
- Copyright Regulations
- Industrial Design Act
- Industrial Design Regulations
- Integrated Circuit Topography Act
- Integrated Circuit Topography Regulations
- Interpretation Act
- Patent Act
- Patent Rules
- Regulations under the PCT
- Trade-marks Regulations

8. Lois, règles et règlements sur la propriété intellectuelle

- Loi sur le droit d'auteur
- Règlement sur le droit d'auteur
- Loi sur les dessins industriels
- Règlement sur les dessins industriels
- Loi sur les topographies de circuits intégrés
- Règlement sur les topographies de circuits intégrés
- Loi d'interprétation
- Loi sur les brevets
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- Règlement d'exécution du PCT
- Règlement sur les marques de commerce

15. Canadian Applications Open to Public Inspection

The *Canadian Patent Office Record* of August 7, 2018 contains applications open to public inspection from July 22, 2018 to July 28, 2018.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 7 août 2018 contient les demandes disponibles au public pour consultation pour la période du 22 juillet 2018 au 28 juillet 2018.

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[54] **INHIBITEURS SELECTIFS DE CASPASE ET LEURS UTILISATIONS**
[72] AHLFORS, JAN-ERIC, CA
[72] MEKOUAR, KHALID, CA
[73] GENESIS TECHNOLOGIES LIMITED, BB
[85] 2010-11-18
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[54] **PROCESSING MATERIALS WITH ION BEAMS**
[54] **MATERIAUX DE TRAITEMENT AVEC DES FAISCEAUX D'IONS**
[72] MEDOFF, MARSHALL, US
[73] XYLECO, INC., US
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[54] **FASTENING DEVICE FOR A HOUSING IN A RECEIVING DEVICE**
[54] **DISPOSITIF DE FIXATION POUR UN BOITIER DANS UN DISPOSITIF DE RECEPTION**
[72] DEISENHOFER, GUENTER, DE
[73] ABACO SYSTEMS, INC., US
[85] 2010-12-23
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[25] EN
[54] **APPARATUS AND METHOD FOR ALIGNING AN ANTENNA IN A REFERENCE POSITION**
[54] **APPAREIL ET PROCEDE D'ALIGNEMENT D'UNE ANTENNE DANS UNE POSITION DE REFERENCE**
[72] CLIFFORD, BRUCE KENNETH, CA
[72] FRISCHMAN, MARK, CA
[73] MULTIWAVE SENSORS INC., CA
[86] (2734564)
[87] (2734564)
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[25] EN
[54] **HOSE CONNECTOR**
[54] **RACCORD DE TUYAU**
[72] KNOTTEN, INGE, NO
[73] SAFEHOSE HOLDING AS, NO
[85] 2011-03-31
[86] 2009-10-07 (PCT/NO2009/000347)
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[54] **RADIANT THERMAL BARRIER**
[54] **ECRAN CONTRE LA CHALEUR RADIANTE**
[72] LEWIS, DAVID L., US
[73] LEWIS, DAVID L., US
[86] (2739647)
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[51] **Int.Cl. F03D 13/40 (2016.01) F03D 13/10 (2016.01) B60P 3/00 (2006.01) F16M 1/00 (2006.01)**
[25] EN
[54] **WIND TURBINE NACELLE, TRANSPORT SYSTEM FOR A WIND TURBINE NACELLE AND METHOD FOR TRANSPORTING A WIND TURBINE NACELLE**
[54] **NACELLE D'EOLIENNE, SYSTEME DE TRANSPORT DE NACELLE D'EOLIENNE ET METHODE DE TRANSPORT CONNEXE**
[72] POULSEN, HENNING, DK
[73] SIEMENS AKTIENGESELLSCHAFT, DE
[86] (2742483)
[87] (2742483)
[22] 2011-06-09
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[25] EN
[54] **GENERATOR, IN PARTICULAR FOR A WIND TURBINE**
[54] **GENERATEUR, EN PARTICULIER POUR UNE EOLIENNE**
[72] KIMIABEIGI, MOHAMMAD, GB
[73] SIEMENS AKTIENGESELLSCHAFT, DE
[86] (2744199)
[87] (2744199)
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[54] **ACCELERATOR MIXTURE AND METHOD OF USE**
[54] **MELANGE ACCELERATEUR ET PROCEDE D'UTILISATION**
[72] KOLOMIETS, ELENA, CH
[72] ALFONSO, MONTSERRAT, CH
[72] WEIBEL, MARTIN, CH
[73] CONSTRUCTION RESEARCH & TECHNOLOGY GMBH, DE
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[54] **FOLDING WORKLIGHT WITH ATTACHMENT MECHANISM**
[54] **LAMPE DE TRAVAIL PLIANTE ET SON MECANISME DE FIXATION**
[72] CHRIST, JAMES RICHARD, US
[72] BRYANT, CHRIS, US
[73] COOPER TECHNOLOGIES COMPANY, US
[86] (2745494)
[87] (2745494)
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[54] **TURBINE NOZZLE SEGMENT AND METHOD OF REPAIRING SAME**
[54] **SEGMENT DE DISTRIBUTEUR DE TURBINE ET METHODE DE REPARATION**
[72] GARZA, JOSE ABIEL, US
[72] GRADY, WAYNE RAY, US
[72] MANKOWSKI, PAWEL, PL
[72] ZAK, MARCIN, PL
[72] TRAJER, MARCIN, PL
[73] GENERAL ELECTRIC COMPANY, US
[86] (2746275)
[87] (2746275)
[22] 2011-07-14
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[54] **CABLE ROLL UP TONNEAU**
[54] **SYSTEME D'ENROULEMENT DE BACHE A CORDONS**
[72] HUOTARI, KEIJO J., US
[72] LEWIS, STEPHEN J., US
[72] HANSON, ERIC, US
[73] BESTOP, INC., US
[86] (2746916)
[87] (2746916)
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[25] EN
[54] **PROCESS FOR PREDICTION AND DETERMINATION OF THE DRAWING-IN ON A BLANKED PART**
[54] **PROCEDE DE PREDICTION ET DE DETERMINATION DU DECOUPAGE D'UNE PIECE EBAUCHEE**
[72] DELIS, ANDREAS, CH
[72] SCHNEEBERGER, MARC, CH
[72] FUERER, GILBERT, BE
[73] FEINTOOL INTERNATIONAL HOLDING AG, CH
[86] (2749463)
[87] (2749463)
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[25] EN
[54] **METHODS OF DETERMINING PATIENT RESPONSE BY MEASUREMENT OF HER-3**
[54] **PROCEDES PERMETTANT DE DETERMINER LA REPONSE D'UN PATIENT PAR MESURE DE HER-3**
[72] BATES, MICHAEL, US
[72] COOK, JENNIFER W., US
[72] DIEDRICH, GUNDO, US
[72] GOODMAN, LAURIE, US
[72] MUKHERJEE, ALI, US
[72] PARRY, GORDON, US
[72] SPERINDE, JEFF, US
[72] WILLIAMS, STEPHEN JOHN, US
[73] LABORATORY CORPORATION OF AMERICA HOLDINGS, US
[85] 2011-07-14
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[25] EN
[54] **MUTATIONS IN THE BCR-ABL TYROSINE KINASE ASSOCIATED WITH RESISTANCE TO STI-571**
[54] **MUTATIONS DANS LA TYROSINE KINASE BCR-ABL ASSOCIEES A LA RESISTANCE A STI-571**
[72] SAWYERS, CHARLES L., US
[72] GORRE, MERCEDES E., US
[72] SHAH, NEIL PRAVIN, US
[72] NICOLL, JOHN, US
[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[86] (2753372)
[87] (2753372)
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[25] EN
[54] **MOBILE STATION APPARATUS, COMMUNICATION SYSTEM, COMMUNICATION METHOD AND PROGRAM**
[54] **DISPOSITIF DE STATION MOBILE, SYSTEME DE COMMUNICATIONS, PROCEDE DE COMMUNICATIONS ET PROGRAMME**
[72] NAKASHIMA, DAIICHIRO, JP
[72] HAMAGUCHI, YASUHIRO, JP
[72] YOKOMAKURA, KAZUNARI, JP
[72] GOTO, JUNGO, JP
[72] NAKAMURA, OSAMU, JP
[72] TAKAHASHI, HIROKI, JP
[73] SHARP KABUSHIKI KAISHA, JP
[85] 2011-08-23
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[51] **Int.Cl. F24D 19/10 (2006.01) F24D 3/12 (2006.01)**
[25] EN
[54] **CONTROL DEVICE FOR A HEATING SYSTEM AND HEATING SYSTEM**
[54] **REGULATEUR POUR SYSTEME DE CHAUFFAGE ET SYSTEME DE CHAUFFAGE**
[72] DELLWIG, STEFAN, DE
[72] LIPINSKI, JOHANN, DE
[73] UPONOR INNOVATION AB, SE
[86] (2757677)
[87] (2757677)
[22] 2011-11-09
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[25] EN
[54] **A LUBRICATING OIL COMPOSITION**
[54] **COMPOSITION D'HUILE LUBRIFIANTE**
[72] SHAW, ROBERT WILLIAM, GB
[72] HEAD, JAMES LEE, GB
[72] CORRADI, MARCO, GB
[72] ROSTAMI, SHAMSEDIN, GB
[73] INFINEUM INTERNATIONAL LIMITED, GB
[86] (2759639)
[87] (2759639)
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[25] EN
[54] **WINDOW COVERING**
[54] **COUVRE-FENETRES**
[72] LIN, TZONG-FU, TW
[73] WHOLE SPACE INDUSTRIES LTD., CN
[86] (2760212)
[87] (2760212)
[22] 2011-12-01
[30] US (13/010,846) 2011-01-21

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[54] **ISOTOPE PRODUCTION SYSTEM AND CYCLOTRON HAVING REDUCED MAGNETIC STRAY FIELDS**
[54] **SYSTEME DE PRODUCTION D'ISOTOPE ET CYCLOTRON AYANT DES CHAMPS DE DISPERSION MAGNETIQUES REDUITS**
[72] NORLING, JONAS, SE
[72] ERIKSSON, TOMAS, SE
[73] GENERAL ELECTRIC COMPANY, US
[85] 2011-10-27
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[54] **WIRELESS LOCATION-BASED SYSTEM FOR DETECTING HAZARDOUS CONDITIONS**
[54] **SYSTEME DE DETECTION DE SITUATIONS DANGEREUSES SANS FIL BASE SUR L'EMPLACEMENT**
[72] GONIA, PATRICK S., US
[72] KOLAVENNU, SOUMITRI, US
[72] CABUZ, CLEOPATRA, US
[73] HONEYWELL INTERNATIONAL INC., US
[86] (2760872)
[87] (2760872)
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[25] EN
[54] **APPARATUS AND METHODS FOR PURGING CATHETER SYSTEMS**
[54] **APPAREIL ET PROCEDES DE PURGE DE SYSTEMES DE CATHETER**
[72] HOWLETT, MICHAEL W., US
[72] MERCER, JAMES V., US
[72] PAOLUCCI, AMELIO, US
[73] BECTON, DICKINSON AND COMPANY, US
[85] 2011-11-07
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[54] **USE OF N-(R)-LIPOYL-L-GLUTAMYL-L-ALANINE IN THE TREATMENT OF ISCHEMIC AND ISCHEMIA-REPERFUSION INJURIES**
[54] **UTILISATION DE N-(R)-LIPOYL-L-GLUTAMYL-L-ALANINE POUR LE TRAITEMENT DE BLESSURES ISCHEMIQUES, LIEES A L'ISCHEMIE OU A LA REPERFUSION**
[72] BAGUISI, ALEXANDER B., US
[72] BEEUWKES, REINIER, US
[72] CASALE, RALPH, US
[72] KATES, STEVEN A., US
[72] LADER, ALAN S., US
[73] ISCHEMIX LLC, US
[85] 2011-11-10
[86] 2010-05-13 (PCT/US2010/034701)
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[25] EN
[54] **DOORWAY FOR A WIND TURBINE TOWER**
[54] **PORTE POUR TOUR EOLIENNE**
[72] BAGEPALLI, BHARAT, US
[72] WALTHERS, RUSSELL EARLE, US
[73] GENERAL ELECTRIC COMPANY, US
[86] (2762292)
[87] (2762292)
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[54] **AQUEOUS POLYVINYLIDENE FLUORIDE COMPOSITION**
[54] **COMPOSITION AQUEUSE DE POLYFLUORURE DE VINYLIDENE**
[72] AMIN-SANAYEI, RAMIN, US
[72] GUPTA, RAVI R., US
[73] ARKEMA INC., US
[85] 2011-11-25
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[25] FR
[54] **ALUMINA AND ZIRCONIA SINTERED MATERIAL**
[54] **PRODUIT FRITTE A BASE D'ALUMINE ET DE ZIRCONE**
[72] NONNET, EMMANUEL PIERRE MARCEL, FR
[72] BOUSSANT ROUX, YVES MARCEL LEON, FR
[73] SAINT-GOBAIN CENTRE DE RECHERCHES ET D'ETUDES EUROPEEN, FR
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[25] EN
[54] **SYSTEM AND METHOD OF RECEIVING, ANALYZING, AND EDITING AUDIO TO CREATE MUSICAL COMPOSITIONS**
[54] **SYSTEME ET PROCEDE DE RECEPTION, D'ANALYSE ET D'EMISSION DE CONTENU AUDIO POUR CREER DES COMPOSITIONS MUSICALES**
[72] SERLETIC, MATT, US
[72] SAVO, TRAVIS ROBERT, US
[72] CAPODIECI, FRANCESCO GERALD, US
[72] RASSOOL, REZA, GB
[72] WINTER, MICHAEL, US
[72] MANN, DAVID, US
[73] MUSIC MASTERMIND, INC., US
[85] 2011-11-28
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[87] (WO2010/141504)
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[25] EN
[54] **MOULD SYSTEM AND METHOD FOR OPERATING SAID SYSTEM**
[54] **SYSTEME DE MOULE ET PROCEDE POUR SON FONCTIONNEMENT**
[72] PEETERS, JOHANNES HENDRICUS ALPHONSUS, NL
[73] FIBERCORE IP B.V., NL
[85] 2011-12-01
[86] 2010-06-07 (PCT/NL2010/050344)
[87] (WO2010/143946)
[30] EP (09162162.3) 2009-06-08

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[51] **Int.Cl. G06F 17/30 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR GENERATION OF ATTRIBUTE DRIVEN TEMPORAL CLUSTERING**
[54] **SYSTEME ET PROCEDE POUR LA GENERATION DE GROUPAGE TEMPOREL COMMANDE PAR ATTRIBUTS**
[72] ANDERSON, DAVID R., US
[73] OPTUMINSIGHT, INC., US
[85] 2011-12-08
[86] 2010-06-18 (PCT/US2010/039211)
[87] (WO2010/148326)
[30] US (61/218,772) 2009-06-19

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[25] EN
[54] **ENANTIOMERS OF SPIRO-OXINDOLE COMPOUNDS AND THEIR USES AS THERAPEUTIC AGENTS**
[54] **ENANTIOMERES DE COMPOSES DE SPIRO-OXINDOLE ET LEURS UTILISATIONS EN TANT QU'AGENTS THERAPEUTIQUES**
[72] CHAFEEV, MIKHAIL, CA
[72] FU, JIANMIN, CA
[72] CADIEUX, JEAN-JACQUES, CA
[73] XENON PHARMACEUTICALS INC., CA
[85] 2011-12-08
[86] 2010-06-28 (PCT/US2010/040187)
[87] (WO2011/002708)
[30] US (61/221,424) 2009-06-29

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[51] **Int.Cl. C07D 498/04 (2006.01) A61K 31/553 (2006.01)**
[25] EN
[54] **PYRAZINOOXAZEPINE DERIVATIVES**
[54] **DERIVES DE PYRAZINOOXAZEPINE**
[72] SASAKI, SHIGEKAZU, JP
[72] KUSUMOTO, TOMOKAZU, JP
[72] NOMURA, IZUMI, JP
[72] MAEZAKI, HIRONOBU, JP
[73] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP
[85] 2011-12-09
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[30] JP (2009-142673) 2009-06-15

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[25] FR
[54] **ALUMINIUM-COPPER-LITHIUM ALLOY HAVING IMPROVED MECHANICAL STRENGTH AND IMPROVED TOUGHNESS**
[54] **ALLIAGE ALUMINIUM CUIVRE LITHIUM A RESISTANCE MECANIQUE ET TENACITE AMELIOREES**
[72] DANIELOU, ARMELLE, FR
[72] GASQUERES, CEDRIC, FR
[72] SIGLI, CHRISTOPHE, FR
[72] WARNER, TIMOTHY, FR
[73] CONSTELLIUM ISSOIRE, FR
[85] 2011-12-13
[86] 2010-06-22 (PCT/FR2010/000455)
[87] (WO2010/149873)
[30] FR (0903096) 2009-06-25
[30] US (61/220,249) 2009-06-25

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[25] EN
[54] **OVERFLOW VORTEX TRANSFER SYSTEM**
[54] **SYSTEME DE TRANSFERT DE TOURBILLON DE DEBORDEMENT**
[72] BRIGHT, MARK A., US
[72] TETKOSKIE, JASON, US
[72] HENDERSON, RICHARD S., US
[72] RITCHIE, HERBERT, US
[72] MORANDO, JORGE A., US
[73] PYROTEK, INC., US
[85] 2011-12-13
[86] 2010-06-15 (PCT/US2010/038597)
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[30] US (61/187,457) 2009-06-16

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[13] C
[51] **Int.Cl. A23K 20/158 (2016.01) A23K 10/20 (2016.01) A23K 10/30 (2016.01) A23K 40/10 (2016.01) A23K 40/25 (2016.01) A23K 50/00 (2016.01) A23K 50/10 (2016.01)**
[25] EN
[54] **HIGH FAT FEED PARTICLES**
[54] **PARTICULES D'ALIMENTATION A TENEUR ELEVEE EN MATIERE GRASSE**
[72] WEAKLEY, DAVID C., US
[72] LANTER, KENT J., US
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[54] **PROCEDE ET SYSTEME DE DETECTION DE LA FRAUDE LORS D'UNE TRANSACTION EFFECTUEEE SANS CARTE**
[72] SMITH, JANET, US
[72] CHISHOLM, JOHN D., US
[72] GERBER, JOHAN, US
[72] SALAZAR, CLARA, US
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[72] MEYER, SUSAN, US
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[54] **PARTICULES D'OXYDE DE COBALT DOPE AU LITHIUM, LEUR PROCEDE DE PREPARATION ET LEUR UTILISATION DANS DES BATTERIES AU LITHIUM-ION**
[72] AKALAY, ISMAIL, MA
[72] BENZAKOUR, INTISSAR, MA
[72] KADDAMI, ABDERAHMANE, MA
[72] FAQIR, HAKIM, MA
[72] OUZAOUIT, KHALID, MA
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[73] ARJOWIGGINS SECURITY, FR
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[54] **DETECTABILITE ETENDUE A FAIBLE CONTRASTE DE SYSTEMES D'IMAGERIE RADIOGRAPHIQUE**
[72] ROHLER, DAVID P., US
[72] IZEN, STEVEN H., US
[72] TOTH, THOMAS L., US
[72] MANIYEDATH, ARJUN K., US
[72] DECHANT, THOMAS E., US
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[54] **DISPOSITIFS, SYSTEMES ET METHODES DE RESTAURATION D?UN TISSU**
[72] NAVIA, JOSE A., AR
[72] KASSAB, GHASSAN S., US
[73] CVDEVICES, LLC, US
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[54] **METHOD AND SYSTEM FOR POWERING AND COOLING SEMICONDUCTOR LASERS**
[54] **PROCEDE ET SYSTEME PERMETTANT D?ALIMENTER ET DE REFROIDIR DES DIODES LASER**
[72] TELFORD, STEVEN JAMES, US
[72] LADRAN, ANTHONY S., US
[73] LAWRENCE LIVERMORE NATIONAL SECURITY, LLC, US
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[54] **SYSTEME ET PROCEDE DE REFROIDISSEMENT ET/OU DE CHAUFFAGE DE DISPOSITIFS D'AVION**
[72] HOELLING, MARC, DE
[72] ROTHAMMER, WERNER, DE
[72] DITTMAR, JAN, DE
[72] COLBERG, CARSTEN, DE
[72] CASAS NORIEGA, WILSON WILLY, DE
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[54] **METHODE DE DETERMINATION DES FRAIS DE PEAGE DANS UN SYSTEME DE PEAGE ROUTIER**
[72] TIJINK, JASJA, AT
[72] KERSTEN, JAN, DE
[73] KAPSCH TRAFFICCOM AG, AT
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[54] **APPARATUS CONFIGURED TO DETECT A PHYSICAL QUANTITY OF A FLOWING FLUID, AND A RESPECTIVE METHOD**
[54] **APPAREIL CONCU POUR DETECTER UNE QUANTITE PHYSIQUE D'UN FLUIDE EN ECOULEMENT ET PROCEDE ASSOCIE**
[72] SCHIFERLI, WOUTER, NL
[73] NEDERLANDSE ORGANISATIE VOOR TOEGEPAST-NATUURWETENSCHAPPELIJK ONDERZOEK TNO, NL
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[54] **COLLEUSE POUR COURROIES A LIBERATION RAPIDE ET PROCEDE DE FONCTIONNEMENT**
[72] GUTTENBERG, ROBERT G., US
[73] LAITRAM, L.L.C., US
[85] 2012-04-13
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[54] **ANTENNE A EXTREMITE HUMIDE MODIFIEE**
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[72] PETERSON, DARION R., US
[72] BRANNAN, JOSEPH D., US
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[54] **SEPARATEUR CENTRIFUGE**
[72] OLDEBACK, TOMAS, SE
[72] RIDDERSTRALE, ROLF, SE
[72] GEIDING, ROBERT, SE
[72] FONSER, PER, SE
[73] ALFA LAVAL CORPORATE AB, SE
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[25] EN
[54] **ANTI-FRACTALKINE ANTIBODY, COMPOSITION AND METHOD FOR TREATING INFLAMMATORY DISORDERS**
[54] **ANTICORPS ANTI-FRACTALKINE, COMPOSITION ET METHODE DE TRAITEMENT DE MALADIES INFLAMMATOIRES**
[72] NISHIMURA, MIYUKI, JP
[72] SAKAMOTO, YOSHIMASA, JP
[72] KAWANO, TETSU, JP
[72] IMAI, TOSHIO, JP
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[54] **BUSINESS SOFTWARE APPLICATION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'APPLICATION D'UN LOGICIEL COMMERCIAL**
[72] HSU, YUN-PING, US
[72] ITANI, MAJED, US
[72] GUPTA, AJAY, US
[72] SMITH, ROGER, US
[72] AAGAARD, ROB, US
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[54] **UTILISATION DE SYLOXANES ORGANOMODIFIES HYDROPHILES COMME ADJUVANT DE FABRICATION POUR LA GRANULATION A L'ETAT FONDU**
[72] HAENSEL, RENE, DE
[72] GIESSLER-BLANK, SABINE, DE
[72] KEMPKA, STEFAN, DE
[73] EVONIK DEGUSSA GMBH, DE
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[54] **DISPOSITIF DE COMMANDE D'UNE MSAP**
[72] LEJEUNE, GUILHEM, FR
[72] VIEILLARD, SEBASTIEN, FR
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[54] **ANTI INFLAMMATORY 2-OXOTHIAZOLES AND 2 -OXOOXAZOLES**
[54] **2-OXOTHIAZOLES ET 2 -OXOOXAZOLES ANTI-INFLAMMATOIRES**
[72] KOKOTOS, GEORGE, GR
[72] JOHANSEN, BERIT, NO
[72] MAGRIOTI, VICTORIA, GR
[72] TSAKOS, MICHAEL, GR
[73] AVEXXIN AS, NO
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[54] **MALARIA VACCINES BASED ON APICOMPLEXAN FERLINS, FERLIN-LIKE PROTEINS AND OTHER C2-DOMAIN CONTAINING PROTEINS**
[54] **VACCINS ANTIPALUDIQUES A BASE DE FERLINES D'APICOMPLEXA, PROTEINES DE TYPE FERLINE ET AUTRES PROTEINES CONTENANT LE DOMAINE C2**
[72] MUELLER, ANN-KRISTIN, DE
[72] MORATH, EVA, DE
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[54] **MULTIVALENT VACCINE COMPOSITION WITH REDUCED DOSE OF HAEMOPHILUS INFLUENZA TYPE B**
[54] **COMPOSITION DE VACCIN MULTIVALENT A DOSE REDUITE D'HAEMOPHILUS INFLUENZA DE TYPE B**
[72] BOUTRIAU, DOMINIQUE, BE
[72] CAPIAU, CARINE, BE
[72] DESMONS, PIERRE MICHEL, BE
[72] LEMOINE, DOMINIQUE, BE
[72] POOLMAN, JAN, BE
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[54] **MODULATOR**
[54] **MODULATEUR**
[72] SCOTT, CHRISTOPHER, GB
[72] JOHNSTON, JAMES, GB
[72] SPENCE, SHAUN, GB
[72] MCAULEY, DANNY, GB
[72] FAY, FRANCOIS, GB
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[54] **SYSTEMES ET PROCEDES DE POSITIONNEMENT D'UN SYSTEME D'ALIMENTATION EN FLUIDE**
[72] PRATT, BEN, US
[72] EVANS, DANIEL, US
[72] LOCKE, CHRISTOPHER, US
[72] KNOWLES, KENNETH, US
[73] KCI LICENSING, INC., US
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[54] **FOAM WOUND INSERTS WITH REGIONS OF HIGHER AND LOWER DENSITIES, WOUND DRESSINGS, AND METHODS**
[54] **GARNITURES EN MOUSSE POUR BLESSURES POURVUES DE REGIONS DE DENSITES SUPERIEURE ET INFERIEURE, PANSEMENTS, ET METHODES**
[72] ROBINSON, TIM, US
[72] SLACK, PAUL, US
[72] LOCKE, CHRISTOPHER, US
[72] STOKES, BEN, US
[73] KCI LICENSING, INC., US
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[54] **MINIEMULSION POLYMERIZATION TO PREPARE DRAG REDUCERS**
[54] **POLYMERISATION DE MINI-EMULSION POUR PREPARER DES REDUCTEURS DE TRAINEE**
[72] BAO, ZHIYI, US
[72] SMITH, KENNETH W., US
[73] LIQUIDPOWER SPECIALTY PRODUCTS INC., US
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[54] **BOL POUR ANIMAL AYANT DES COMPARTIMENTS SUPERIEURS ET INFERIEURS**
[72] HARRIS, WILLIAM, CA
[73] ENHANCED PET PRODUCTS CORP., CA
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[54] **PROCESS FOR FILTRATION OF FLUIDS AND FILTER APPARATUS FOR PERFORMING THE PROCESS**
[54] **PROCEDE DE FILTRATION DE FLUIDES, AINSI QU'APPAREIL DE FILTRATION POUR LA MISE EN OEUVRE DU PROCEDE**
[72] STRASSER, STEFAN, AT
[72] GROESSWANG, ROMAN, AT
[72] KNEISSL, JOHANNES, AT
[72] EISL, GEORG, AT
[72] BRANDT, KLAUS, AT
[73] LENZING TECHNIK GMBH, AT
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[54] **MACHINE SOUFFLANTE POUR MATERIAU EN VRAC PRESENTANT DES COQUES DE GUIDAGE DECALEES ET UNE ALIMENTATION VERTICALE**
[72] EVANS, MICHAEL EUGENE, US
[73] OWENS CORNING INTELLECTUAL CAPITAL, LLC, US
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[54] **ALIMENTATION ELECTRIQUE PERMETTANT DE RECONNAITRE DES INSTRUMENTS ELECTRIQUES A USAGE CHIRURGICAL ET DE LES COMMANDER**
[72] HOWELL, THOMAS A., US
[73] MICROLINE SURGICAL, INC., US
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[54] **TOUCH-SENSITIVE DISPLAY WITH VARIABLE REPEAT RATE**
[54] **ECRAN TACTILE A FREQUENCE DE REPETITION VARIABLE**
[72] JAIN, DEEPANKAR BANSHILAL, US
[72] KENNEY, JEFFREY BRENT, CA
[73] BLACKBERRY LIMITED, CA
[85] 2012-10-11
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[25] EN
[54] **COMPOUNDS PROVIDED WITH ANTIOXIDANT ACTIVITY AGAINST FREE RADICALS, AND PHARMACEUTICAL AND COSMETIC COMPOSITIONS CONTAINING THEM**
[54] **COMPOSES PRESENTANT UNE ACTIVITE ANTI-OXYDANTE A L'ENCONTRE DES RADICAUX LIBRES, ET COMPOSITIONS PHARMACEUTIQUES ET COSMETIQUES LES CONTENANT**
[72] GIULIANI, GIAMMARIA, IT
[72] BENEDUSI, ANNA, IT
[73] GIULIANI S.P.A., IT
[85] 2012-10-16
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[54] **SYSTEMES ET PROCEDES DE MODULATION D'UNE THERAPIE PAR ONDE DE PRESSION**
[72] HART, LOTTA, SE
[73] EMPI INC., US
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[73] SUMITOMO CHEMICAL COMPANY, LIMITED, JP
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[54] **BOISSONS INFUSEES ET PROCEDES DE FABRICATION ASSOCIES**
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[54] **CAPSULE, SYSTEM AND METHOD FOR PREPARING A BEVERAGE BY CENTRIFUGATION**
[54] **CAPSULE, SYSTEME ET PROCEDE PERMETTANT DE PREPARER UNE BOISSON PAR CENTRIFUGATION**
[72] JARISCH, CHRISTIAN, CH
[72] PERENTES, ALEXANDRE, CH
[72] KAESER, STEFAN, CH
[72] MAGRI, CARLO, CH
[72] GERBAULET, ARNAUD, FR
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[72] NORMAN, THOMAS H., US
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[54] **PROCEDE ET APPAREIL DESTINES A UN TELEMETRE LASER COHERENT A IMPULSION**
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[54] **5-FLUORO-1H-PYRAZOLOPYRIDINES SUBSTITUEES ET LEUR UTILISATION**
[72] FOLLMANN, MARKUS, DE
[72] STASCH, JOHANNES-PETER, DE
[72] REDLICH, GORDEN, DE
[72] ACKERSTAFF, JENS, DE
[72] GRIEBENOW, NILS, DE
[72] KROH, WALTER, DE
[72] KNORR, ANDREAS, DE
[72] BECKER, EVA-MARIA, DE
[72] WUNDER, FRANK, DE
[72] LI, VOLKHART MIN-JIAN, DE
[72] HARTMANN, ELKE, DE
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[72] SCHLEMMER, KARL-HEINZ, DE
[72] JAUTELAT, ROLF, DE
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[54] **RACCORDEMENT FILETE ET PROCEDE PERMETTANT DE L'OBTENIR**
[72] COEFFE, GUILLAUME, FR
[72] SCHES, CELINE, FR
[73] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
[73] VALLOUREC OIL AND GAS FRANCE, FR
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[72] WATKINS, ANDREW, US
[72] ZHOU, MINGXING, US
[73] INDIVIOR UK LIMITED, GB
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[54] **COMPOSITIONS DE COPOLYMERES MULTIBLOCS OLEFINIQUES ELECTRO-CONDUCTRICES, SEPAREES PAR UNE MESOPHASE**
[72] ESSEGHIR, MOHAMED, US
[72] MARCHAND, GARY R., US
[73] DOW GLOBAL TECHNOLOGIES LLC, US
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[54] **BALANCING AND SYNCHRONIZING DEVICE FOR MACHINES FOR LAYING CABLES**
[54] **DISPOSITIF D'EQUILIBRAGE ET DE SYNCHRONISATION POUR MACHINES POUR DEPOSER DES CABLES**
[72] OSCAR, ALBERTO, IT
[73] TESMEC SPA, IT
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[54] **UTILISATION DE L'ISOACTEOSIDE OU D'UN SEL DE CELLE-CI ACCEPTABLE SUR LE PLAN PHARMACEUTIQUE**
[72] LIN, HANG-CHING, CN
[72] SU, MUH-HWAN, CN
[72] HUANG, YOUNG-MING, CN
[72] TANG, JING-JING, CN
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[54] **PROCEDE DE SOUDAGE AU LASER**
[72] GU, HONGPING, CA
[72] SHULKIN, BORIS, US
[73] MAGNA INTERNATIONAL INC., CA
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[54] **COMPOSITION DE FORMULATION AGROCHIMIQUE**
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[72] SAYLIK, DILEK, AU
[72] PARIS, EMMANUEL, BE
[72] VANDERSTRAETEN, PETRA EMMA, BE
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[54] **FLUORINE-CONTAINING IONOMER COMPOSITE MATERIAL WITH ION EXCHANGE FUNCTION, PREPARATION METHOD AND USE THEREOF**
[54] **FLUOROPOLYMERE COMPOSITE A FONCTION D'ECHANGE IONIQUE, SON PROCEDE DE PREPARATION ET SON UTILISATION**
[72] ZHANG, YONGMING, CN
[72] TANG, JUNKE, CN
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[73] SHANDONG HUAXIA SHENZHOU NEW MATERIAL CO., LTD, CN
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[54] **TUYAU FLEXIBLE A RENFORT MAILLE ET SON PROCEDE DE FABRICATION**
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[54] **PROCEDES ET DISPOSITIFS DESTINES A RAPPORTER DES INFORMATIONS DE MESURE**
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[72] ZHANG, YI, CN
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[54] **ASPERGILLUS ACULEATUS DERIVED POLYPEPTIDES HAVING C4-DICARBOXYLIC ACID TRANSPORTER ACTIVITY AND POLYNUCLEOTIDES ENCODING SAME**
[54] **POLYPEPTIDES POSSEDANT UNE ACTIVITE DE TRANSPORTEUR D'ACIDE DICARBOXYLIQUE EN C4 ET POLYNUCLEOTIDES CODANT POUR CES DERNIERS**
[72] FISCHER, AMANDA, US
[72] YAVER, DEBBIE, US
[73] NOVOZYMES, INC., US
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[54] **PROCEDE DE TRAITEMENT D'UN FLUX D'HYDROCARBURE CONTENANT DU METHANE ET APPAREIL A CET EFFET**
[72] BUIJS, CORNELIS, NL
[72] CHANTANT, FRANCOIS, NL
[73] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
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[54] **TOUR TELESCOPIQUE ACTIONNEE PAR FLUIDE POUR SUPPORT DE CHARGES LOURDES**
[72] SCHMIDT, PHILLIP M., US
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[54] **POMPE A PERFUSION AVEC TECHNIQUE DE MESURE DE TUBE UTILISANT UN ACTIONNEUR LINEAIRE ET UN CAPTEUR DE PRESSION**
[72] BOJAN, PETER M., US
[72] WANG, ZHENGYAN, US
[72] RAI, SURYA, US
[72] OLCZAK, PAUL, US
[73] BAXTER HEALTHCARE S.A., CH
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[54] **PROCEDE POUR PREPARER DES DISPOSITIFS MICROFLUIDIQUES**
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[72] MONTOYE, TONY, BE
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[54] **GROUND CONTACT SENSING SYSTEMS AND METHODS FOR LOWER-LIMB ORTHOTIC AND PROSTHETIC DEVICES**
[54] **PROCEDES ET SYSTEMES DE DETECTION DE CONTACT AU SOL ET DISPOSITIFS ORTHETIQUES ET PROTHETIQUES DE MEMBRE INFERIEUR**
[72] LANGLOIS, DAVID, CA
[72] LANDRY, DAVID, CA
[72] GILBERT, BENOIT, CA
[73] OSSUR HF, IS
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[54] **FORMULATIONS AQUEUSES STABLES COMPRENANT DES INGREDIENTS ACTIFS FAIBLEMENT SOLUBLES DANS L'EAU**
[72] LESKOVAR, DENISE, SI
[72] VRECER, FRANC, SI
[72] KRAMAR, ANDREJKA, SI
[72] KOLENC, IVANKA, SI
[72] GOBEC, IVAN, SI
[72] PRINC, HELENA, SI
[73] KRKA, D.D., NOVO MESTO, SI
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[54] **NOVEL ARYLAMIDE DERIVATIVES HAVING ANTIANDROGENIC PROPERTIES**
[54] **NOUVEAUX DERIVES D'ARYLAMIDE AYANT DES PROPRIETES ANTI-ANDROGENIQUES**
[72] RATILAINEN, JARI, FI
[72] KOISTINAHO, MILLA, FI
[72] MUONA, ANU, FI
[73] ARANDA PHARMA LTD, FI
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[54] **SEPARATEUR CYCLONIQUE A POCHES**
[72] FADDA, DANI, US
[73] PEERLESS MFG. CO., US
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[54] **PROCEDE ET SYSTEME DE REDUCTION DES EMISSIONS INDUSTRIELLES**
[72] HOOPER, BARRY NEIL, AU
[73] REDEEM CCS PTY LTD, AU
[85] 2013-01-11
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[54] **PROTHESE COMPRENANT UN ELEMENT RADIO-OPAQUE**
[72] MENEGHIN, ALFREDO, FR
[72] BOURGES, XAVIER, FR
[72] LECUIVRE, JULIE, FR
[73] SOFRADIM PRODUCTION, FR
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[54] **CALIBRATION DEVICE FOR MEASUREMENT GAUGES OF THE DIAMETER AND OTHER GEOMETRICAL CHARACTERISTICS OF CYLINDERS**
[54] **DISPOSITIF D'ETALONNAGE DE JAUGES PERMETTANT DE MESURER LE DIAMETRE ET D'AUTRES CARACTERISTIQUES GEOMETRIQUES DE CYLINDRES**
[72] CANDIANI, FAUSTO, IT
[72] GABOARDI, PAOLO, IT
[72] TREVISAN, CLAUDIO, IT
[72] BIANCHESSI, FLAVIO STEFANO, IT
[73] TENOVA S.P.A., IT
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[54] **MARKED PROSTHESIS**
[54] **PROTHESE MARQUEE**
[72] MENEGHIN, ALFREDO, FR
[72] BOURGES, XAVIER, FR
[72] LECUIVRE, JULIE, FR
[73] SOFRADIM PRODUCTION, FR
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[54] **POMPE ET ENSEMBLE POMPE**
[72] LAWYER, JUSTIN, US
[72] CLASEN, PATRICK, US
[72] MARKS, TIMOTHY, US
[73] ECOTECH MARINE, LLC, US
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[54] **ORAL CARE METHODS AND COMPOSITIONS UTILIZING CHITOSAN-DERIVATIVE COMPOUNDS**
[54] **PROCEDES ET COMPOSITIONS DE SOINS ORAUX UTILISANT DES COMPOSES DERIVES DE CHITOSANE**
[72] BAKER, SHENA, D., US
[72] WIESMANN, WILLIAM, P., US
[72] TOWNSEND, STACY, US
[73] SYNEDGEN, INC., US
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[54] **I.V. INFUSION OR BLOOD COLLECTION APPARATUS**
[54] **DISPOSITIF DE PERFUSION IV OU DE PRELEVEMENT DE SANG**
[72] KUMAR, SANJIV, US
[72] HOWELL, JULIE C., US
[72] TAYLOR, MICHAEL A., US
[72] HIGDON, JOHN F., US
[72] ROSENTHAL, ROBERT G., US
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[54] **PHTHALATE-FREE ISOCYANURATE FORMULATIONS**
[54] **PREPARATIONS D'ISOCYANURATE DEPOURVUES DE PHTHALATE**
[72] AUGUSTIN, THOMAS, DE
[72] SANDERS, JOSEF, DE
[73] LANXESS DEUTSCHLAND GMBH, DE
[73] BAYER INTELLECTUAL PROPERTY GMBH, DE
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[54] **METHOD FOR OPTIMIZING THE OPERABILITY OF AN AIRCRAFT PROPULSIVE UNIT, AND SELF-CONTAINED POWER UNIT FOR IMPLEMENTING SAME**
[54] **PROCEDE D'OPTIMISATION DE L'OPERABILITE DE MOTORISATION D'UN AERONEF ET GROUPE DE PUISSANCE PRINCIPAL DE MISE EN OEUVRE**
[72] HAILLOT, JEAN-MICHEL, FR
[73] TURBOMECA, FR
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[54] **METHODS AND DEVICES FOR APPLYING CLOSED INCISION NEGATIVE PRESSURE WOUND THERAPY**
[54] **PROCEDES ET DISPOSITIFS POUR APPLIQUER UNE THERAPIE POUR PLAIES PAR PRESSION NEGATIVE A UNE INCISION FERMEE**
[72] WU, KENNETH, US
[72] HU, DEAN, US
[72] NAG, SUMONA, US
[73] KCI LICENSING, INC., US
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[54] **FULL COMPOSITE INSULATOR FOR ELECTRICAL CUTOUT**
[54] **ISOLATEUR ENTIEREMENT COMPOSITE POUR COUPE-CIRCUIT ELECTRIQUE**
[72] ZHANG, CHAO, US
[72] YERGES, ALAN P., US
[72] HASSLER, STEPHEN P., US
[73] COOPER TECHNOLOGIES COMPANY, US
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[54] **AJUSTEMENT DE PROTHESES DENTAIRES BASE SUR LE TISSU MOU**
[72] AUCLAIR BEAUDRY, JEAN-SEBASTIEN, CA
[72] GIASSON, DAVID, CA
[73] BIOCAD MEDICAL INC., CA
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[54] **MATERIALS SPREADER**
[54] **EPANDEUSE**
[72] STEVENSON, DONALD, CA
[72] EVANS, MILES, CA
[72] DEGELMAN, SCOTT R., CA
[72] BENKO, TRENT, CA
[73] DEGELMAN INDUSTRIES LTD., CA
[85] 2013-02-19
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[25] EN
[54] **PROCESS AND APPARATUS FOR THE GENERATION OF PROCESS STEAM AND BOILER FEED WATER STEAM IN A HEATABLE REFORMING REACTOR FOR THE PRODUCTION OF SYNGAS**
[54] **PROCEDE ET APPAREIL DE GENERATION DE VAPEUR DE TRAITEMENT ET DE VAPEUR D'EAU D'ALIMENTATION DE CHAUDIERE DANS UN REACTEUR DE REFORMAGE CHAUFFABLE DESTINE A LA PRODUCTION DE GAZ SYNTHETIQUE**
[72] VON TROTHA, THILO, DE
[72] HEINRICH, JAN, DE
[73] THYSSENKRUPP UHDE GMBH, DE
[85] 2013-02-20
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[25] EN
[54] **CEMENT COMPOSITION, METHOD FOR PRODUCING MIXED MATERIAL AND METHOD FOR PRODUCING CEMENT COMPOSITION**
[54] **COMPOSITION DE CIMENT, PROCEDE POUR LA PRODUCTION D'UN MATERIAU MELANGE ET PROCEDE POUR LA PRODUCTION D'UNE COMPOSITION DE CIMENT**
[72] IRIYA, KEISHIRO, JP
[72] SHIMMURA, AKIRA, JP
[72] TAKEDA, NOBUFUMI, JP
[72] KOBAYASHI, TOSHIMITSU, JP
[72] ICHISE, KENICHI, JP
[73] OBAYASHI CORPORATION, JP
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[54] **METHOD AND APPARATUS FOR MAKING AN EXPANDED BASE PIER**
[54] **PROCEDE ET APPAREIL DE FABRICATION DE PILIER A BASE ELARGIE**
[72] WISSMANN, KORD J., US
[73] GEOPIER FOUNDATION COMPANY, INC., US
[85] 2013-02-26
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[25] EN
[54] **SYSTEM AND METHOD FOR ENHANCED MAGNET WIRE INSULATION**
[54] **SYSTEME ET PROCEDE D'ISOLATION DE FILS MAGNETIQUES AMELIOREE**
[72] PARMETER, LARRY, US
[72] LEAMY, BRETT, US
[72] JOHNSON, KEITH, US
[72] LUNK, DAVID, US
[73] SUMMIT ESP, LLC, US
[86] (2810093)
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[54] **CABLE INSTALLATION FOR PIVOTING A SUPPORT STRUCTURE FOR PHOTOVOLTAIC MODULES OR COMPARABLE DEVICES**
[54] **INSTALLATION DE CABLE SERVANT A FAIRE PIVOTER UNE STRUCTURE DE SUPPORT DE MODULES PHOTOVOLTAIQUES OU AUTRES DISPOSITIFS COMPARABLES**
[72] CZALOUN, JOHANN, IT
[73] CZALOUN, JOHANN, IT
[85] 2013-03-07
[86] 2011-09-02 (PCT/EP2011/065209)
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[54] **REMOVAL OF NON-VOLATILES FROM AMMONIA-BASED CO2-ABSORBENT SOLUTION**
[54] **RETRAIT DE SUBSTANCES NON VOLATILES D'UNE SOLUTION AMMONIAQUEE ABSORBANTLE CO2**
[72] NAUMOVITZ, JOSEPH P., US
[72] KOSS, PETER U., CH
[72] KOCH, MICHAEL, NO
[73] GENERAL ELECTRIC TECHNOLOGY GMBH, CH
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[54] **CIRCUIT A ENTREES DISCRETES DE TENSION UNIVERSELLE**
[72] KLETTI, DANIEL RIAN, US
[72] KROMREY, TIMOTHY MARK, US
[73] COOPER TECHNOLOGIES COMPANY, US
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[30] US (61/386,834) 2010-09-27
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[54] **METHOD AND APPARATUS FOR NEUTRAL BEAM PROCESSING BASED ON GAS CLUSTER ION BEAM TECHNOLOGY**
[54] **PROCEDE ET APPAREIL DE TRAITEMENT PAR FAISCEAU NEUTRE BASES SUR LA TECHNOLOGIE DES FAISCEAUX IONIQUES D'AGREGATS GAZEUX**
[72] KIRKPATRICK, SEAN R., US
[72] KIRKPATRICK, ALLEN R., US
[73] EXOGENESIS CORPORATION, US
[85] 2013-03-19
[86] 2011-08-23 (PCT/US2011/048754)
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[54] **SYSTEMS AND METHODS FOR IMPROVING CATHETER HOLE ARRAY EFFICIENCY**
[54] **SYSTEMES ET PROCEDES D'AMELIORATION D'EFFICACITE D'UN ENSEMBLE D'ORIFICES DE CATHETER**
[72] ADAMS, CHAD M., US
[72] BURKHOLZ, JONATHAN KARL, US
[72] MCKINNON, AUSTIN JASON, US
[73] BECTON, DICKINSON AND COMPANY, US
[85] 2013-03-28
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[30] US (61/388,646) 2010-10-01
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[54] **COMMANDES DE REUNION HEBERGEES SUR TELEPHONES MOBILES**
[72] VERTHEIN, WILLIAM GEORGE, US
[72] BARKLEY, WARREN VINCENT, US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2013-03-28
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[25] EN
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[54] **COMPOSITIONS PHARMACEUTIQUES CONTENANT UN INHIBITEUR DGAT1**
[72] WEN, HONG, US
[72] KUMARAPERUMAL, NATRAJAN, US
[72] NAUSE, RICHARD, US
[73] NOVARTIS AG, CH
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[54] **NOVEL ANTI-CANCER AGENTS**
[54] **NOUVEAUX AGENTS ANTICANCEREUX**
[72] BURGESS, ANTONY WILKS, AU
[72] WALKER, FRANCESCA, AU
[72] WATSON, KEITH GEOFFREY, AU
[72] WITCHARD, HELEN, AU
[72] LESSENE, GUILLAUME, AU
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[54] **PROCESSUS DE POLYMERISATION PAR DISPERSION ANIONIQUE**
[72] CARCELLER, ROSA, FI
[72] JUPPO, ARI, FI
[73] KEMIRA OYJ, FI
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[54] **ARRANGEMENT FOR THE LUBRICATION OF SAW CHAINS**
[54] **DISPOSITIF DE LUBRIFICATION DE SCIES A CHAINE**
[72] ILMARINEN, JOUKO, FI
[73] OSAKEYHTIO SKF AKTIEBOLAG, FI
[85] 2013-04-17
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[51] **Int.Cl. H01S 3/08 (2006.01) H01S 3/063 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR COMPACT EFFICIENT LASER ARCHITECTURE**
[54] **PROCEDE ET SYSTEME DESTINES A UNE ARCHITECTURE LASER COMPACTE EFFICACE**
[72] BAYRAMIAN, ANDREW JAMES, US
[72] ERLANDSON, ALVIN CHARLES, US
[72] MANES, KENNETH RENE, US
[72] SPAETH, MARY LOUIS, US
[72] CAIRD, JOHN ALLYN, US
[72] DERI, ROBERT J., US
[73] LAWRENCE LIVERMORE NATIONAL SECURITY, LLC, US
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[51] **Int.Cl. F41H 7/04 (2006.01)**
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[54] **WALKING FLOOR FOR AN ARMORED VEHICLE, ARMORED VEHICLE HAVING SUCH A WALKING FLOOR, AND METHOD FOR PRODUCING SUCH A WALKING FLOOR**
[54] **PLANCHER INTERIEUR POUR UN VEHICULE BLINDE, VEHICULE BLINDE POURVU DUDIT PLANCHER INTERIEUR ET PROCEDE DE FABRICATION D'UN PLANCHER INTERIEUR DE CE TYPE**
[72] WALTER, JUERGEN, DE
[72] ALTER, ROLF MATTHIAS, LU
[73] EC TECHNIK GMBH, DE
[85] 2013-04-25
[86] 2011-11-07 (PCT/DE2011/001946)
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[25] EN
[54] **MANUFACTURING FACILITY FOR QUICKLIME, AND MANUFACTURING FACILITY AND MANUFACTURING PROCESS FOR SLAKED LIME**
[54] **INSTALLATION DE FABRICATION DE CHAUX VIVE, ET INSTALLATION DE FABRICATION ET PROCEDE DE FABRICATION DE CHAUX ETEINTE**
[72] HIGUCHI, NAOHIRO, JP
[72] SHIMA, HIROKAZU, JP
[73] MITSUBISHI MATERIALS CORPORATION, JP
[85] 2013-05-23
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[54] **MULTIPURPOSE ENERGY CONCENTRATOR**
[54] **DISPOSITIF UNIVERSEL DE CONCENTRATION D'ENERGIE**
[72] KOMRAKOV, EVGENY VYACHESLAVOVICH, RU
[73] QUANTRILL ESTATE INC., VG
[85] 2013-05-29
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[54] **PROCESS FOR PRODUCING AMMONIUM NITRATE**
[54] **PROCEDE POUR LA PRODUCTION DE NITRATE D'AMMONIUM**
[72] JOHNSTON, ANTHONY MATTHEW, AU
[72] HAYNES, BRIAN SCOTT, AU
[72] CONROY, GREGORY LAWRENCE, AU
[73] THE UNIVERSITY OF SYDNEY, AU
[73] YARA INTERNATIONAL ASA, NO
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[54] **DISPOSITIF D'ALIMENTATION D'UN MEDICAMENT**
[72] OMURA, YOSHIHITO, JP
[72] OHGAYA, SYUNJI, JP
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[54] **ZONE FOCALE OPTIMISEE POUR AFFICHAGES DE REALITE AUGMENTEE**
[72] BAR-ZEEV, AVI, US
[72] LEWIS, JOHN R., US
[72] KLEIN, GEORG, US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
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[54] **SOLID CATALYST COMPONENT, CATALYST COMPRISING SAID SOLID COMPONENT, AND PROCESS FOR THE (CO)POLYMERIZATION OF .ALPHA.-OLEFINS**
[54] **COMPOSANTE DE CATALYSEUR SOLIDE, CATALYSEUR COMPORTANT LADITE COMPOSANTE SOLIDE ET PROCEDE DE (CO)POLYMERISATION DES ALPHA-OLEFINES**
[72] SOMMAZZI, ANNA, IT
[72] MASI, FRANCESCO, IT
[72] PAMPALONI, GUIDO, IT
[72] RENILI, FILIPPO, IT
[72] MARCHETTI, FABIO, IT
[72] RASPOLLI GALLETTI, ANNA MARIA, IT
[73] VERSALIS S.P.A., IT
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[54] **SYSTEM, PROPULSION SYSTEM AND VEHICLE**
[54] **SYSTEME, SYSTEME DE PROPULSION ET VEHICULE**
[72] BURNS, DONALD W., US
[73] ROLLS-ROYCE CORPORATION, US
[85] 2013-06-26
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[25] EN
[54] **BOREHOLE INSPECTION DEVICE AND SYSTEM WITH A SELF-CLEANING SYSTEM AND METHOD FOR LOADING EXPLOSIVES IN BOREHOLES**
[54] **DISPOSITIF ET SYSTEME D'INSPECTION DE TROU DE FORAGE QUI COMPORTENT UN SYSTEME AUTONETTOYANT ET PROCEDE POUR CHARGER DES EXPLOSIFS DANS DES TROUS DE FORAGE**
[72] LOPEZ RODRIGUEZ, JORGE, ES
[73] MAXAMCORP HOLDING S.L., ES
[85] 2013-06-28
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[54] **PROCESS FOR THE PURIFICATION OF IRON SALT SOLUTIONS**
[54] **TRAITEMENT DE PURIFICATION DE SOLUTIONS DE SELS DE FER**
[72] PAVLICEK, JAN, US
[72] ST. AMOUR, SHEILA, US
[73] KEMIRA OYJ, FI
[85] 2013-07-05
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[54] **SCREEN BASKET OPTIMIZED FOR REMOVAL OF STICKIES FROM ADHESIVES-CONTAMINATED RECYCLABLE FIBER**
[54] **TAMIS OPTIMISE POUR RETIRER DES MATIERES COLLANTES D'UNE FIBRE RECYCLABLE CONTAMINEE PAR DES ADHESIFS**
[72] WINKLER, WAYNE F., US
[72] LUCAS, BRADLEY E., US
[73] GPCP IP HOLDINGS LLC, US
[85] 2013-07-09
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[54] **METHODS AND APPARATUS FOR DELIVERING AND POSITIONING SHEET-LIKE MATERIALS**
[54] **PROCEDES ET APPAREIL POUR LA DISTRIBUTION ET LE POSITIONNEMENT DE MATERIAUX EN FEUILLE**
[72] EUTENEUER, CHARLES L., US
[72] QUACKENBUSH, JOHN, US
[73] ROTATION MEDICAL, INC., US
[85] 2013-07-26
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[54] **METHODS AND APPARATUS FOR DETECTION OF GLUTEN SENSITIVITY, AND ITS DIFFERENTIATION FROM CELIAC DISEASE**
[54] **METHODES ET APPAREIL POUR LA DETECTION DE LA SENSIBILITE AU GLUTEN, ET SA DIFFERENCIATION DE LA MALADIE CELIAQUE**
[72] VOJDANI, ARISTO, US
[73] CYREX LABORATORIES, LLC, US
[85] 2013-08-16
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[25] EN
[54] **CLOSED LOOP CONTROL OF AUXILIARY INJECTION UNIT**
[54] **COMMANDE EN BOUCLE FERMEE D'UNITE D'INJECTION AUXILIAIRE**
[72] CATOEN, BRUCE, CA
[72] GAMMON, SCOTT, CA
[73] MOLD-MASTERS (2007) LIMITED, CA
[85] 2013-08-22
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[54] **FIBER OPTIC CONNECTOR**
[54] **CONNECTEUR DE FIBRES OPTIQUES**
[72] NHEP, PONHARITH, US
[73] ADC TELECOMMUNICATIONS, INC., US
[85] 2013-09-12
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[51] **Int.Cl. B29C 64/124 (2017.01)**
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[54] **METHOD FOR PRODUCING A THREE-DIMENSIONAL OBJECT AND STEREOLITHOGRAPHY MACHINE EMPLOYING SAID METHOD.**
[54] **PROCEDE DE PRODUCTION D'UN OBJET TRIDIMENSIONNEL ET MACHINE DE STEREOLITHOGRAPHIE EMPLOYANT LEDIT PROCEDE**
[72] COSTABEBER, ETTORE MAURIZIO, IT
[73] DWS S.R.L., IT
[85] 2013-09-27
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[54] **CIRCUIT BREAKER PANEL**
[54] **PANNEAU DE DISJONCTEUR**
[72] MILLS, PATRICK W., US
[72] HANLEY, KEVIN F., US
[72] MCCORMICK, JAMES M., US
[72] BENSHOFF, RICHARD G., US
[73] LABINAL, LLC, US
[85] 2013-10-08
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[54] **POLYAXIAL DENTAL IMPLANT SYSTEM**
[54] **SYSTEME D'IMPLANT DENTAIRE POLYAXIAL**
[72] MCBRIDE, JIM, US
[72] COVARRUBIAS, GONZALO, US
[72] TOUBIA, SOUHAIL, US
[72] STAPH, BRADFORD, US
[73] JBSG MANAGEMENT LLC, US
[85] 2013-10-09
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[25] EN
[54] **CHRISTMAS TREE STAND AND KIT THEREFOR**
[54] **SUPPORT POUR ARBRE DE NOEL ET SA TROUSSE**
[72] DUNCAN, GALYNA, CA
[73] DUNCAN, GALYNA, CA
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[51] **Int.Cl. A45D 40/16 (2006.01)**
[25] FR
[54] **METHOD FOR ATTACHING LIPSTICK TO A LIPSTICK DISPENSER, AND CORRESPONDING MACHINE**
[54] **PROCEDE POUR FIXER UN BATON DE ROUGE A LEVRES DANS UN DISTRIBUTEUR DE ROUGE A LEVRES ET MACHINE CORRESPONDANTE**
[72] LEBERT, JEAN-JOCELYN, FR
[73] PARFUMS CHRISTIAN DIOR, FR
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[54] **MULTI-ABRASIVE TOOL**
[54] **OUTIL A ELEMENTS ABRASIFS MULTIPLES**
[72] FIORE, NICOLA, IT
[73] REN S.R.L., IT
[85] 2013-11-13
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[54] **METHOD OF CONTROLLING A DC/AC CONVERTER**
[54] **PROCEDE DE COMMANDE D'UN CONVERTISSEUR COURANT CONTINU/COURANT ALTERNATIF**
[72] BIEBACH, JENS, DE
[72] PESCHKE, KAY, DE
[73] L-3 COMMUNICATIONS MAGNET-MOTOR GMBH, DE
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[54] **ILLUMINATING DEVICE**
[54] **ECLAIRAGE DE PLAFOND MUNI D'ELEMENTS DE RETENUE DE PANNEAU**
[72] CURIC, ANDRIJA, AT
[73] NOVOMATIC AG, AT
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[54] **A HINGE FOR AN ORTHOPEDIC BRACE**
[54] **CHARNIERE POUR APPAREIL ORTHOPEDIQUE**
[72] BEJARANO, ROBERT, US
[72] VILLEGAS, EMEE, US
[72] HOFFMEIER, CARL, US
[73] DJO, LLC, US
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[54] **DETECTING METHOD OF LIFE ACTIVITY, CONTROLLING METHOD OF LIFE ACTIVITY, AND TRANSMISSION METHOD OF INFORMATION CONCERNING LIFE ACTIVITY**
[54] **PROCEDE DE DETECTION DE L'ACTIVITE D'UN ORGANISME VIVANT, PROCEDE DE VERIFICATION DE L'ACTIVITE D'UN ORGANISME VIVANT ET PROCEDE DE TRANSMISSION D'INFORMATIONS CONCERNANT L'ACTIVITE D'UN ORGANISME VIVANT**
[72] ANDO, HIDEO, JP
[73] ANDO, HIDEO, JP
[85] 2013-12-04
[86] 2012-11-09 (PCT/JP2012/079874)
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[54] **DIE SHOE ASSEMBLY WITH BEARING SURFACE MECHANISM, METHOD FOR RETAINING A DIE, AND DIE FOR USE THEREWITH**
[54] **ENSEMBLE SUPPORT DE MATRICE COMPRENANT UN MECANISME DE SURFACE PORTEUSE, PROCEDE DE RETENUE ET MATRICE DESTINEE A ETRE UTILISEE AVEC CELUI-CI**
[72] BROADBENT, JOSEPH DANIEL, US
[72] SCHULTE, BRADLEY P., US
[72] LEE, BRIAN J., US
[73] WILSON TOOL INTERNATIONAL INC., US
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[54] **PROCESS AND APPARATUS FOR PRODUCING LIQUID HYDROCARBON**
[54] **PROCEDE ET APPAREIL POUR PRODUIRE UN HYDROCARBURE LIQUIDE**
[72] IVERSEN, STEEN BRUMMERSTEDT, DK
[73] STEEPER ENERGY APS, DK
[85] 2013-12-10
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[54] **PROCESS FOR CONTINUOUS INLINE PRODUCTION OF COATED POLYMERIC SUBSTRATES OR LAMINATES**
[54] **PROCEDE DE FABRICATION EN LIGNE CONTINUE DE SUBSTRATS OU DE LAMINES POLYMERES REVETUS**
[72] KANZLER, WALDEMAR, DE
[72] HASSKERL, THOMAS, DE
[72] SEYOUM, GHIRMAY, DE
[72] KLIEM, PATRICK, DE
[72] KREBS, WERNER, DE
[72] FORSTER, DIETER, DE
[72] DANNEHL, MANFRED, DE
[73] EVONIK ROHM GMBH, DE
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[54] **VIDEO ENCODING METHOD WITH BIT DEPTH ADJUSTMENT FOR FIXED-POINT CONVERSION AND APPARATUS THEREFOR, AND VIDEO DECODING METHOD AND APARATUS THEREFOR**
[54] **PROCEDE DE CODAGE VIDEO AVEC REGLAGE DE LA PROFONDEUR DE BIT POUR UNE CONVERSION EN VIRGULE FIXE ET APPAREIL CORRESPONDANT, ET PROCEDE DE DECODAGE VIDEO ET APPAREIL CORRESPONDANT**
[72] ALSHINA, ELENA, KR
[72] ALSHIN, ALEXANDER, KR
[73] SAMSUNG ELECTRONICS CO., LTD., KR
[85] 2013-12-27
[86] 2012-07-02 (PCT/KR2012/005244)
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[54] **HOOK ASSEMBLY**
[54] **ENSEMBLE DE CROCHET**
[72] BREEDEN, WINSTON, US
[72] BREJ, THADDEUS T., US
[72] WHITNER, DOUGLAS EDWARD, US
[72] TAYLOR, CURTIS PATRICK, US
[73] SMARTSTRAPS LLC, US
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[54] **THREE DIMENSIONAL IMAGE SENSOR ARRAY WITH BINARY OUTPUT DATA**
[54] **RESEAU DE CAPTEURS D'IMAGE TRIDIMENSIONNELLE AVEC DONNEES DE SORTIE BINAIRES**
[72] KALEVO, OSSI, FI
[72] KOSKINEN, SAMU, FI
[72] RISSA, TERO, FI
[73] NOKIA TECHNOLOGIES OY, FI
[86] (2841508)
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[54] **SHAPING SOUND RESPONSIVE TO SPEAKER ORIENTATION**
[54] **FORMATION D'UN SON EN REPONSE A UNE ORIENTATION D'UN HAUT-PARLEUR**
[72] DALY, SEAMUS, US
[72] KALLAI, CHRISTOPHER, US
[72] ERICSON, MICHAEL DARRELL ANDREW, US
[72] LANG, JONATHAN P., US
[72] WISNESKI, CRAIG, US
[72] REILLY, JONATHON, US
[72] MANSFIELD, TODD, US
[73] SONOS, INC., US
[85] 2014-01-15
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[54] **ONBOARD MIXING OF DE-ICING FLUID**
[54] **MELANGE EMBARQUE DE FLUIDE DE DEGIVRAGE**
[72] VESTERGAARD, STEFAN, DK
[72] SVANEBJERG, ELO, DK
[73] VESTERGAARD COMPANY A/S, DK
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[54] **ADHESIF THERMOFUSIBLE**
[72] MORIGUCHI, MASAHIRO, JP
[72] SAITO, SHIGEKAZU, JP
[73] HENKEL AG & CO. KGAA, DE
[85] 2014-03-12
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[87] (WO2013/039261)
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[25] EN
[54] **TISSUE REMOVAL DEVICES, SYSTEMS AND METHODS**
[54] **DISPOSITIFS DE RETRAIT DE TISSUS, SYSTEMES ET PROCEDES**
[72] ROSS, RODNEY L., US
[72] DENNEWILL, JAMES, US
[72] HUGHES, GREGG, US
[73] MED-LOGICS, INC., US
[85] 2014-03-17
[86] 2012-09-04 (PCT/US2012/053641)
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[30] US (13/234,672) 2011-09-16

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[51] **Int.Cl. C01B 21/24 (2006.01) B01J 4/00 (2006.01) B01J 19/24 (2006.01) C01B 21/30 (2006.01) C01B 21/32 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR GENERATING NITRIC OXIDE IN CONTROLLED AND ACCURATE AMOUNTS**
[54] **APPAREIL ET PROCEDE PERMETTANT DE GENERER DU MONOXYDE D'AZOTE EN DES QUANTITES CONTROLEES ET PRECISES**
[72] MONTGOMERY, FREDERICK JOHN, US
[72] CASPER, CORY, US
[72] BATHE, DUNCAN P. L., US
[72] GRIBB, TYE, US
[73] NITRICGEN, INC, US
[85] 2014-04-02
[86] 2012-10-03 (PCT/US2012/058564)
[87] (WO2013/052548)
[30] US (61/542,400) 2011-10-03

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[51] **Int.Cl. B05C 5/00 (2006.01) B05C 11/08 (2006.01) B05C 13/02 (2006.01) B05C 9/12 (2006.01) B05C 11/10 (2006.01) E04F 15/00 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR CURTAIN-COATING OF PANEL-SHAPED COMPONENTS**
[54] **DISPOSITIF ET METHODE DE REVETEMENT EN RIDEAU DE COMPOSANTES EN FORME DE PANNEAU**
[72] DOHRING, DIETER, DE
[72] SCHAFER, HANS, DE
[73] KRONOPLUS TECHNICAL AG, CH
[85] 2014-04-08
[86] 2011-10-13 (PCT/EP2011/067846)
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[25] EN
[54] **BARBECUE SUPPORT ASSEMBLY**
[54] **ENSEMBLE SUPPORT POUR BARBECUE**
[72] BALCERZAK, STEPHEN, CA
[72] GRASSI, WALTER, CA
[72] BOWDEN, MARILYN, US
[72] PELLETIER, DANIEL, US
[73] WEBER-STEPHEN PRODUCTS LLC, US
[86] (2851483)
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[22] 2014-05-09
[30] US (13/892,636) 2013-05-13

[11] **2,853,117**
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[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/20 (2006.01) A61K 31/495 (2006.01) A61P 1/08 (2006.01)**
[25] EN
[54] **SUBLINGUAL PHARMACEUTICAL COMPOSITION CONTAINING AN ANTIHISTAMINE AGENT AND METHOD FOR THE PREPARATION THEREOF**
[54] **COMPOSITION PHARMACEUTIQUE SUBLINGUALE CONTENANT UN ANTIHISTAMINIQUE ET PROCEDE DE PREPARATION ASSOCIE**
[72] KARAVAS, EVANGELOS, GR
[72] KOUTRIS, EFTHIMIOS, GR
[72] SAMARA, VICKY, GR
[72] DIAKIDOU, AMALIA, GR
[72] KARATZAS, AGGELOS, GR
[73] EXPERMED S.A., GR
[85] 2014-04-22
[86] 2011-10-25 (PCT/EP2011/005374)
[87] (WO2013/060343)

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[51] **Int.Cl. B01J 8/06 (2006.01) B01J 19/24 (2006.01) F28F 1/42 (2006.01)**
[25] EN
[54] **A TUBE MODULE**
[54] **MODULE TUBULAIRE**
[72] HOGLUND, KASPER, SE
[73] ALFA LAVAL CORPORATE AB, SE
[85] 2014-05-06
[86] 2012-10-31 (PCT/EP2012/071561)
[87] (WO2013/068290)
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[51] **Int.Cl. A23G 1/36 (2006.01) A23G 1/54 (2006.01)**
[25] EN
[54] **CONFECTIONERY COMPOSITION COMPRISING A FILLING HAVING A FAT SYSTEM**
[54] **COMPOSITION DE CONFISERIE COMPRENANT UNE GARNITURE COMPORTANT UN SYSTEME DE GRAISSE**
[72] BALL, BILLIE, GB
[72] COPE, EMMA, GB
[73] MONDELEZ UK R&D LIMITED, GB
[85] 2014-06-02
[86] 2013-01-15 (PCT/GB2013/050078)
[87] (WO2013/108019)
[30] GB (1200707.6) 2012-01-16

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[13] C
[51] **Int.Cl. B64D 35/00 (2006.01) B64C 27/28 (2006.01) F16H 1/26 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS OF CONNECTING A FIXED DRIVE SYSTEM TO A ROTATING DRIVE SYSTEM FOR A TILTROTOR AIRCRAFT**
[54] **PROCEDE ET APPAREIL DE CONNEXION D'UN SYSTEME D'ENTRAINEMENT FIXE A UN SYSTEME D'ENTRAINEMENT ROTATIF POUR UN AERONEF A ROTORS BASCULANTS**
[72] BOCKMILLER, DAVID R., US
[72] KOOIMAN, JAMES E., US
[73] BELL HELICOPTER TEXTRON INC., US
[86] (2859484)
[87] (2859484)
[22] 2014-08-14
[30] US (13/966,726) 2013-08-14

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[51] **Int.Cl. C12N 9/42 (2006.01) C07K 14/415 (2006.01)**
[25] EN
[54] **A NOVEL INSECTICIDAL CHITINASE PROTEIN ITS ENCODING NUCLEOTIDE AND APPLICATION THEREOF**
[54] **NOUVELLE PROTEINE CHITINASE INSECTICIDE, POLYNUCLEOTIDE CODANT POUR CELLE-CI ET APPLICATION DE CELLE-CI**
[72] SINGH, PRADHYUMNA KUMAR, IN
[72] UPADHYAY, SANTOSH KUMAR, IN
[72] KRISHNAPPA, CHANDRASHEKAR, IN
[72] SAURABH, SHARAD, IN
[72] SINGH, RAHUL, IN
[72] RAI, PREETI, IN
[72] SINGH, HARPAL, IN
[72] MISHRA, MANISHA, IN
[72] SINGH, AJIT PRATAP, IN
[72] VERMA, PRAVEEN CHANDRA, IN
[72] NAIR, KUTTAN PILLAI NARAYANAN, IN
[72] TULI, RAKESH, IN
[73] COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, IN
[85] 2014-06-25
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[87] (WO2013/098858)
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[51] **Int.Cl. G06F 21/57 (2013.01) G06F 8/61 (2018.01)**
[25] EN
[54] **METHOD AND DEVICE FOR PROMPTING PROGRAM UNINSTALLATION**
[54] **PROCEDE ET DISPOSITIF D'INCITATION A LA DESINSTALLATION D'UN PROGRAMME**
[72] WANG, QING, CN
[72] GUO, HAORAN, CN
[72] YUAN, YIXIA, CN
[72] ZHAN, XUNCHANG, CN
[72] LIN, CHUNYOU, CN
[72] LI, PENGTAO, CN
[72] SONG, JIASHUN, CN
[73] TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED, CN
[85] 2014-06-27
[86] 2013-07-05 (PCT/CN2013/078895)
[87] (WO2014/008836)
[30] CN (201210239287.4) 2012-07-11

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[51] **Int.Cl. F17D 3/01 (2006.01) G06Q 50/06 (2012.01) H01M 8/0656 (2016.01) B60S 5/02 (2006.01) F17D 1/04 (2006.01) C25B 1/04 (2006.01)**
[25] EN
[54] **ENERGY DISTRIBUTION NETWORK**
[54] **RESEAU DE DISTRIBUTION D'ENERGIE**
[72] FAIRLIE, MATTHEW J., CA
[72] STEWART, WILLIAM J., CA
[72] STUART, ANDREW T. B., CA
[72] THORPE, STEVEN J., CA
[72] DONG, CHARLIE, CA
[73] HYDROGENICS CORPORATION, CA
[86] (2862221)
[87] (2862221)
[22] 2000-04-28
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[30] CA (2,271,448) 1999-05-12

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[25] EN
[54] **CONVERTIBLE PAINT CUP ASSEMBLY WITH AIR INLET VALVE**
[54] **ENSEMBLE GODET DE PEINTURE CONVERTIBLE AVEC SOUPAPE D'ENTREE D'AIR**
[72] PELLEGRINO, BIAGIO P., US
[72] NIXON, THOMAS R., US
[72] ZOELLNER, CLEMENS E., US
[73] SAINT-GOBAIN ABRASIVES, INC., US
[73] SAINT-GOBAIN ABRASIFS, FR
[85] 2014-06-27
[86] 2012-12-27 (PCT/US2012/071843)
[87] (WO2013/101946)
[30] US (61/582,227) 2011-12-30

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[51] **Int.Cl. A61F 2/70 (2006.01) A61F 2/50 (2006.01) A61F 2/66 (2006.01) A61F 2/68 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROCESSING LIMB MOTION**
[54] **SYSTEMES ET PROCEDES DE TRAITEMENT DU MOUVEMENT DE MEMBRE**
[72] JONSSON, HELGI, IS
[72] CLAUSEN, ARINBJORN V., IS
[72] RAGNARSDOTTIR, HEIDRUN G., IS
[73] OSSUR HF, IS
[86] (2863933)
[87] (2863933)
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[62] 2,592,042
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[25] EN
[54] **METHODS AND COMPOSITIONS COMPRISING CEMENT KILN DUST HAVING AN ALTERED PARTICLE SIZE**
[54] **PROCEDES ET COMPOSITIONS COMPRENANT DE LA POUSSIERE DE FOUR A CIMENT AYANT UNE DIMENSION DE PARTICULE MODIFIEE**
[72] RODDY, CRAIG W., US
[72] CHATTERJI, JITEN, US
[72] BRENNEIS, DARRELL CHAD, US
[72] JARRATT, CALLIE R., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2014-08-06
[86] 2013-02-14 (PCT/US2013/026162)
[87] (WO2013/123207)
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[51] **Int.Cl. A47C 1/035 (2006.01) A47C 1/024 (2006.01)**
[25] EN
[54] **FURNITURE MEMBER POWER MECHANISM WITH ZERO GRAVITY AND REAR TILT POSITIONS**
[54] **MECANISME A MOTEUR POUR MEUBLE A GRAVITE NULLE ET POSITIONS D'INCLINAISON VERS L'ARRIERE**
[72] LAPOINTE, LARRY P., US
[73] LA-Z-BOY INCORPORATED, US
[86] (2864036)
[87] (2864036)
[22] 2014-09-18
[30] US (14/031,399) 2013-09-19

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[51] **Int.Cl. H01M 4/88 (2006.01) H01M 4/96 (2006.01)**
[25] EN
[54] **POROUS ELECTRODE BASE MATERIAL, METHOD FOR MANUFACTURING SAME, AND PRECURSOR SHEET**
[54] **MATIERE DE BASE A ELECTRODE POREUSE, SON PROCEDE DE FABRICATION ET FEUILLE DE PRECURSEUR**
[72] TATSUNO, HIROTO, JP
[73] MITSUBISHI CHEMICAL CORPORATION, JP
[85] 2014-09-03
[86] 2013-03-29 (PCT/JP2013/059565)
[87] (WO2013/147174)
[30] JP (2012-079928) 2012-03-30
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[25] EN
[54] **ANION-CONDUCTING POLYMER**
[54] **POLYMERE CONDUCTEUR D'ANIONS**
[72] WRIGHT, ANDREW, CA
[72] THOMAS, OWEN, CA
[72] HOLDCROFT, STEVEN, CA
[73] SIMON FRASER UNIVERSITY, CA
[85] 2014-09-05
[86] 2013-04-04 (PCT/CA2013/000323)
[87] (WO2013/149328)
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[13] C
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[25] EN
[54] **OCCLUSAL SPLINT ARRANGEMENT**
[54] **SYSTEME DE GOUTTIERE OCCLUSALE**
[72] HOFMANN, KONRAD, DE
[73] HOFMANN, KONRAD, DE
[85] 2014-09-10
[86] 2012-03-26 (PCT/DE2012/000314)
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[51] **Int.Cl. F17D 1/17 (2006.01) C08J 11/16 (2006.01) E21B 43/22 (2006.01)**
[25] EN
[54] **SYSTEMS, METHODS, AND COMPOSITIONS COMPRISING AN EMULSION OR A MICROEMULSION AND CHLORINE DIOXIDE FOR USE IN OIL AND/OR GAS WELLS**
[54] **SYSTEMES, PROCEDES ET COMPOSITIONS COMPRENANT UNE EMULSION OU MICROEMULSION ET DU DIOXYDE DE CHLORE POUR UTILISATION DANS DES PUITS DE PETROLE OU DE GAZ**
[72] PURSLEY, JOHN T., US
[72] PENNY, GLENN S., US
[72] HAMMOND, CHARLES EARL, US
[72] OSWALD, DARIN, CA
[73] FLOTEK CHEMISTRY, LLC, US
[86] (2867046)
[87] (2867046)
[22] 2014-10-08
[30] US (61/888,098) 2013-10-08
[30] US (61/891,316) 2013-10-15
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[13] C
[51] **Int.Cl. C12Q 1/00 (2006.01)**
[25] EN
[54] **IMPROVED SPACER MEMBRANE FOR AN ENZYMATIC IN-VIVO SENSOR**
[54] **MEMBRANE D'ESPACEMENT AMELIORE POUR UN CAPTEUR ENZYMATIQUE IN VIVO**
[72] STAIB, ARNULF, DE
[72] THIELE, MARCEL, DE
[72] KOELKER, KARL-HEINZ, DE
[72] RIEGER, EWALD, DE
[72] LICHT, ALEXANDER, DE
[73] F. HOFFMANN-LA ROCHE AG, CH
[85] 2014-09-18
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[87] (WO2013/144255)
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[13] C
[51] **Int.Cl. B60L 15/40 (2006.01)**
[25] EN
[54] **TRAIN CONTROL DEVICE**
[54] **DISPOSITIF DE COMMANDE DE TRAIN**
[72] SAITO, KEIICHI, JP
[73] THE NIPPON SIGNAL CO., LTD., JP
[85] 2014-09-26
[86] 2013-03-18 (PCT/JP2013/057685)
[87] (WO2013/146427)
[30] JP (2012-082603) 2012-03-30

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[51] **Int.Cl. C08G 18/10 (2006.01) C08J 9/04 (2006.01)**
[25] EN
[54] **ONE COMPONENT ISOCYANATE PREPOLYMER MIXTURE FOR POLYURETHANE PRODUCT FORMULATION IN A SINGLE STEP PROCESS**
[54] **PROCESSUS EN UNE SEULE ETAPE POUR PRODUIT DE POLYURETHANNE A PARTIR D'UN MELANGE A UN COMPOSANT DE PREPOLYMERE D'ISOCYANATE**
[72] DWORNICKI, PRZEMYSLAW, PL
[72] BARTH, MAREK, PL
[72] PAWLUS, TOMASZ, PL
[73] SELENA LABS SP. Z.O.O., PL
[86] (2868876)
[87] (2868876)
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[51] **Int.Cl. B60R 9/06 (2006.01)**
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[54] **SYSTEMS AND METHODS FOR ATTACHMENT OF VEHICLE ACCESSORIES**
[54] **SYSTEMES ET PROCEDES DE FIXATION D'ACCESSOIRES POUR VEHICULE**
[72] LABBE, CHRISTIAN, CA
[72] CHENEVERT, FRANCOIS, CA
[72] MERCIER, MATHIEU, CA
[73] BOMBARDIER RECREATIONAL PRODUCTS INC., CA
[85] 2014-09-29
[86] 2013-03-28 (PCT/US2013/034391)
[87] (WO2013/149028)
[30] US (61/618,505) 2012-03-30

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[13] C
[51] **Int.Cl. H01M 12/06 (2006.01) B60S 5/00 (2006.01) H01M 2/36 (2006.01)**
[25] EN
[54] **A SHUTDOWN SYSTEM FOR METAL-AIR BATTERIES AND METHODS OF USE THEREOF**
[54] **SYSTEME D'ARRET POUR BATTERIES METAL-AIR ET LEURS PROCEDES D'UTILISATION**
[72] YAKUPOV, ILYA, IL
[72] TZIDON, DEKEL, IL
[73] PHINERGY LTD., IL
[85] 2014-10-02
[86] 2013-03-14 (PCT/IL2013/050242)
[87] (WO2013/150520)
[30] US (61/620,241) 2012-04-04

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[51] **Int.Cl. D04H 1/42 (2012.01) D04H 3/005 (2012.01) D01F 9/00 (2006.01)**
[25] EN
[54] **FIBROUS ELEMENTS COMPRISING A NON-HYDROXYL POLYMER AND METHODS FOR MAKING SAME**
[54] **ELEMENTS FIBREUX COMPRENANT UN POLYMERE NON HYDROXYLE ET LEURS PROCEDES DE FABRICATION**
[72] MCKEE, MATTHEW GARY, US
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2014-10-17
[86] 2013-04-18 (PCT/US2013/037041)
[87] (WO2013/158808)
[30] US (61/635,449) 2012-04-19

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[13] C
[51] **Int.Cl. G01V 3/08 (2006.01) G01V 3/10 (2006.01) G01P 13/00 (2006.01)**
[25] EN
[54] **WALK-THROUGH METAL DETECTION SYSTEM**
[54] **SYSTEME DE PORTIQUE DE DETECTION DE METAUX**
[72] PEYTON, ANTHONY J., GB
[72] ARMITAGE, DAVID W., GB
[72] MARSH, LIAM A., GB
[72] KTISTIS, CHRISTOS, GB
[72] LIONHEART, WILLIAM ROBERT BRECKON, GB
[72] JARVI, ARI, FI
[73] RAPISCAN SYSTEMS, INC., US
[85] 2014-11-06
[86] 2012-06-28 (PCT/US2012/044632)
[87] (WO2013/006373)
[30] US (13/175,785) 2011-07-01

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[13] C
[51] **Int.Cl. B32B 5/10 (2006.01) B29C 70/16 (2006.01) B32B 5/26 (2006.01) B32B 5/28 (2006.01) B32B 27/04 (2006.01) B32B 38/08 (2006.01)**
[25] EN
[54] **THREE-DIMENSIONAL FILAMENT NETWORK FOR A COMPOSITE LAMINATE**
[54] **RESEAU DE FILAMENT EN TROIS DIMENSIONS POUR UN LAMELLE EN COMPOSITIE**
[72] MEURE, SAMUEL JAMES, US
[72] HOWE, CHRISTOPHER ALAN, US
[72] WILSON, THOMAS, US
[73] THE BOEING COMPANY, US
[86] (2873730)
[87] (2873730)
[22] 2014-12-05
[30] US (14/224,278) 2014-03-25

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[13] C
[51] **Int.Cl. C07D 277/56 (2006.01) A61K 31/427 (2006.01) A61P 3/10 (2006.01) A61P 17/06 (2006.01) A61P 19/02 (2006.01) C07D 239/28 (2006.01) C07D 263/34 (2006.01) C07D 333/38 (2006.01) C07D 413/12 (2006.01) C07D 417/04 (2006.01) C07D 417/12 (2006.01) C07D 417/14 (2006.01) C07D 493/08 (2006.01) C07D 493/10 (2006.01) C07D 495/10 (2006.01)**
[25] EN
[54] **CARBOXAMIDE OR SULFONAMIDE SUBSTITUTED THIAZOLES AND RELATED DERIVATIVES AS MODULATORS FOR THE ORPHAN NUCLEAR RECEPTOR ROR[GAMMA]**
[54] **THIAZOLES SUBSTITUES PAR CARBOXAMIDE OU SULFONAMIDE ET DERIVES APPARENTES EN TANT QUE MODULATEURS DU RECEPTEUR NUCLEAIRE ORPHELIN ROR[GAMMA]**
[72] GEGE, CHRISTIAN, DE
[72] STEENECK, CHRISTOPH, DE
[72] KINZEL, OLAF, DE
[72] KLEYMANN, GERALD, DE
[72] HOFFMANN, THOMAS, DE
[73] PHENEX PHARMACEUTICALS AG, DE
[85] 2014-11-14
[86] 2013-05-29 (PCT/EP2013/001593)
[87] (WO2013/178362)
[30] EP (12004186.8) 2012-05-31
[30] US (61/653,556) 2012-05-31

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[51] **Int.Cl. A61M 5/142 (2006.01) A61M 5/172 (2006.01)**
[25] EN
[54] **MODULAR EXTERNAL INFUSION DEVICE**
[54] **APPAREIL DE PERFUSION MODULAIRE EXTERNE**
[72] ISTOC, EMILIAN, US
[72] PATEL, HIMANSHU P., US
[73] MEDTRONIC MINIMED, INC., US
[86] (2875228)
[87] (2875228)
[22] 2006-09-11
[62] 2,622,015
[30] US (11/225,359) 2005-09-13

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[51] **Int.Cl. C07C 307/08 (2006.01) A61K 31/18 (2006.01) A61K 31/277 (2006.01) A61P 25/08 (2006.01)**
[25] EN
[54] **NOVEL INDANESULFAMIDE DERIVATIVE**
[54] **NOUVEAU DERIVE D'INDANESULFAMIDE**
[72] KAZUTA, YUJI, JP
[72] WATANABE, TORU, JP
[72] SORIMACHI, KEIICHI, JP
[72] SAITO, MINAKO, JP
[72] KITA, YOICHI, JP
[72] TANAKA, TOSHIAKI, JP
[72] HIGASHIYAMA, HIROYUKI, JP
[72] HANADA, TAKAHISA, JP
[72] TERAMOTO, TETSUYUKI, JP
[72] KOSASA, TAKASHI, JP
[72] ISHIKAWA, YUKIO, JP
[73] EISAI R&D MANAGEMENT CO., LTD., JP
[85] 2014-12-17
[86] 2013-06-17 (PCT/JP2013/066623)
[87] (WO2013/191144)
[30] US (61/662626) 2012-06-21
[30] US (61/709737) 2012-10-04
[30] US (61/751331) 2013-01-11

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[13] C
[51] **Int.Cl. A61K 9/70 (2006.01) A61K 31/381 (2006.01)**
[25] EN
[54] **TRANSDERMALLY ABSORBABLE PREPARATION CONTAINING ROTIGOTINE**
[54] **PREPARATION ABSORBABLE PAR VOIE TRANSDERMIQUE CONTENANT DE LA ROTIGOTINE**
[72] KIM, HYE-MIN, KR
[72] HWANG, YONG-YOUN, KR
[72] YOUN, WON-NO, KR
[72] PARK, YEO-JIN, KR
[72] OH, JOON-GYO, KR
[72] IM, JONG-SEOB, KR
[72] KIM, HUN-TAEK, KR
[73] SK CHEMICALS CO., LTD., KR
[85] 2015-01-05
[86] 2013-07-05 (PCT/KR2013/006001)
[87] (WO2014/007579)
[30] KR (10-2012-0073295) 2012-07-05

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[13] C
[51] **Int.Cl. C05C 9/00 (2006.01) C05C 1/00 (2006.01) C05G 3/00 (2006.01) C07C 273/14 (2006.01)**
[25] EN
[54] **UREA PASSIVATION TECHNIQUE AND NEW PRODUCT PASSIVATED UREA, TO MAKE UREA OR UREA-BASED COMPOUND UNIVERSALLY BLENDABLE**
[54] **TECHNIQUE DE PASSIVATION D'UREE ET NOUVEAU PRODUIT UREE PASSIVEE, POUR FABRIQUER DE L'UREE OU UN COMPOSE A BASE D'UREE POUVANT ETRE MELANGE DE FACON UNIVERSELLE**
[72] LEDOUX, FRANCOIS, FR
[73] YARA INTERNATIONAL ASA, NO
[85] 2015-02-24
[86] 2013-08-28 (PCT/EP2013/067799)
[87] (WO2014/033160)
[30] NO (20120973) 2012-08-29

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[51] **Int.Cl. B25J 5/00 (2006.01) B64F 5/10 (2017.01) B25J 15/04 (2006.01) B66F 11/00 (2006.01)**
[25] EN
[54] **MOBILE AUTOMATED ASSEMBLY TOOL FOR AIRCRAFT STRUCTURES**
[54] **OUTIL D'ASSEMBLAGE AUTOMATISE MOBILE POUR STRUCTURES D'AERONEF**
[72] REID, ERIC M., US
[72] JONES, DARRELL DARWIN, US
[72] MUNK, CLAYTON LYNN, US
[72] BEST, STEVEN A., US
[72] DESJARDIEN, MATTHEW RAY, US
[72] CRESPO, CARLOS DANIEL, US
[73] THE BOEING COMPANY, US
[86] (2883046)
[87] (2883046)
[22] 2015-02-23
[30] US (61/986,756) 2014-04-30
[30] US (14/558,859) 2014-12-03

[11] **2,886,922**
[13] C
[51] **Int.Cl. A24F 47/00 (2006.01)**
[25] EN
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[54] **DISPOSITIF D'INHALATION ELECTRONIQUE**
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[54] **APPAREIL, SYSTEME ET METHODE D'ESTIMATION DE LA PROBABILITE D'UN EVENEMENT DE PRESENCE DE CRISTAUX DE GLACE DANS UN MOTEUR**
[72] GRZYCH, MATTHEW L., US
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[72] SPALART, PHILIPPE R., US
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[54] **PROCEDE ET APPAREIL PERMETTANT D'AGENCER UNE PLURALITE D'ICONES SUR UN ECRAN**
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[54] **PROCEDE ET SYSTEME DE RECONNAISSANCE AUTOMATIQUE DE PAROLE**
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[54] **PROCEDE DE PREPARATION D'UNE BASE D'AVOINE LIQUIDE ET PRODUITS PREPARES PAR LE PROCEDE**
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[54] **CARTOUCHE DE TRAITEMENT ET APPAREIL DE FORMATION D'IMAGE**
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[72] MORI, TOMONORI, JP
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[54] **CONTROLE D'APPROVISIONNEMENT EN HYDROGENE D'UNE PILE A COMBUSTIBLE**
[72] YAMAMOTO, KAZUO, JP
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[73] MEIDENSHA CORPORATION, JP
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[54] **SEPARATEUR DE PILE A COMBUSTIBLE**
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[54] **SYSTEME DE PILE A COMBUSTIBLE DOTE D'UN LOGEMENT DE PILE A COMBUSTIBLE AMELIORE**
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[72] TAKAYAMA, TATEKI, JP
[72] TONUMA, TOSHIYUKI, JP
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[54] **INHIBITEURS D'ARGILES POUR LE FORAGE, LA FRACTURATION ET D'AUTRES PROCEDURES**
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[54] **COMPOSITIONS COMPRENANT DES POUSSIERES DE FOUR ET DE LA WOLLASTONITE ET LEURS PROCEDES D'UTILISATION DANS DES FORMATIONS SOUTERRAINES**
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[54] **METHODES ET FORMULATIONS POUR UNE MODULATION DE REPONSES IMMUNITAIRES ASSOCIEES A L'ADMINISTRATION DE MEDICAMENT BIOPHARMACEUTIQUE**
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[73] MONDI CONSUMER PACKAGING TECHNOLOGIES GMBH, DE
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[51] **Int.Cl. C21D 8/04 (2006.01) B32B 15/18 (2006.01) C21D 9/46 (2006.01) C21D 9/48 (2006.01) C23C 2/02 (2006.01) C23C 2/06 (2006.01)**
[25] EN
[54] **COLD ROLLED STEEL SHEET, METHOD OF MANUFACTURING AND VEHICLE**
[54] **TOLE EN ACIER LAMINEE A FROID, PROCEDE DE FABRICATION ET VEHICULE**
[72] DEL FRATE, FRANCO, FR
[72] MATAIGNE, JEAN-MICHEL, FR
[72] STAUDTE, JONAS, FR
[72] PERLADE, ASTRID, FR
[72] ZUAZO-RODRIGUEZ, IAN ALBERTO, FR
[73] ARCELORMITTAL INVESTIGACION Y DESARROLLO SL, ES
[85] 2015-12-16
[86] 2014-07-03 (PCT/IB2014/001258)
[87] (WO2015/001414)
[30] IB (PCT/IB13/001436) 2013-07-04

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[51] **Int.Cl. H04L 1/00 (2006.01) H04L 27/26 (2006.01)**
[25] EN
[54] **IMPLICIT SIGNALLING IN OFDM PREAMBLE WITH EMBEDDED SIGNATURE SEQUENCE, AND CYCLIC PREFIX AND POSTFIX AIDED SIGNATURE DETECTION**
[54] **SIGNALISATION IMPLICITE DANS UN PREAMBULE OFDM AVEC SEQUENCE DE SIGNATURE INTEGREE, ET DETECTION DE SIGNATURE ASSISTEE PAR PREFIXE ET POSTFIXE CYCLIQUE**
[72] ATUNGSIRI, SAMUEL ASANGBENG, GB
[73] SONY CORPORATION, JP
[85] 2015-12-18
[86] 2014-06-24 (PCT/GB2014/051922)
[87] (WO2015/001313)
[30] GB (1312048.0) 2013-07-04
[30] GB (1403392.2) 2014-02-26
[30] GB (1405037.1) 2014-03-20

[11] **2,917,536**
[13] C
[51] **Int.Cl. B28C 7/02 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR CALCULATING AND REPORTING SLUMP IN DELIVERY VEHICLES**
[54] **PROCEDE ET SYSTEME POUR CALCULER ET RAPPORTER UN AFFAISSEMENT DE VEHICULES DE LIVRAISON**
[72] COOLEY, ROY, US
[72] VERDINO, STEVE, US
[72] TOPPUTO, MICHAEL, US
[72] COMPTON, JOHN L., US
[72] BRICKLER, JEROLD, US
[72] FITZPATRICK, ROBERT B., US
[72] PETERS, MARK E., US
[73] VERIFI LLC, US
[86] (2917536)
[87] (2917536)
[22] 2008-06-19
[62] 2,691,689
[30] US (11/764,832) 2007-06-19
[30] US (11/834,002) 2007-08-05

[11] **2,917,668**
[13] C
[51] **Int.Cl. G01M 17/02 (2006.01) G01L 5/16 (2006.01)**
[25] EN
[54] **BALANCING DEVICE, UNIFORMITY DEVICE AND METHODS FOR UTILIZING THE SAME**
[54] **DISPOSITIF D'EQUILIBRAGE, DISPOSITIF D'UNIFORMITE ET LEURS PROCEDES D'UTILISATION**
[72] LAWSON, LAWRENCE J., US
[72] REECE, ROBERT, US
[72] CLARK, BARRY A., US
[72] STRAITIFF, DONALD G., US
[73] ANDROID INDUSTRIES LLC, US
[85] 2016-01-06
[86] 2014-07-10 (PCT/US2014/046192)
[87] (WO2015/006584)
[30] US (61/845,053) 2013-07-11
[30] US (14/328,157) 2014-07-10

[11] **2,918,279**
[13] C
[51] **Int.Cl. G10K 15/12 (2006.01) G10L 19/008 (2013.01) G10L 25/06 (2013.01)**
[25] EN
[54] **METHOD FOR PROCESSING AN AUDIO SIGNAL, SIGNAL PROCESSING UNIT, BINAURAL RENDERER, AUDIO ENCODER AND AUDIO DECODER**
[54] **PROCEDE DE TRAITEMENT D'UN SIGNAL AUDIO, UNITE DE TRAITEMENT DE SIGNAL, MOTEUR DE RENDU BINAURAL, ENCODEUR AUDIO ET DECODEUR AUDIO**
[72] FUEG, SIMONE, DE
[72] PLOGSTIES, JAN, DE
[73] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2016-01-14
[86] 2014-07-18 (PCT/EP2014/065534)
[87] (WO2015/011055)
[30] EP (13177361.6) 2013-07-22
[30] EP (13189255.6) 2013-10-18

[11] **2,919,745**
[13] C
[51] **Int.Cl. C08L 23/10 (2006.01) C08L 23/14 (2006.01)**
[25] EN
[54] **HIGH FLOW POLYOLEFIN COMPOSITION WITH HIGH STIFFNESS AND TOUGHNESS**
[54] **COMPOSITION POLYOLEFINIQUE HAUTE FLUIDITE, A RIGIDITE ET TENACITE ELEVEES**
[72] SANDHOLZER, MARTINA, AT
[72] KAHLEN, SUSANNE, AT
[72] GRESTENBERGER, GEORG, AT
[73] BOREALIS AG, AT
[85] 2016-01-28
[86] 2014-08-18 (PCT/EP2014/067533)
[87] (WO2015/024887)
[30] EP (13181231.5) 2013-08-21

[11] **2,920,079**
[13] C
[51] **Int.Cl. H02M 7/483 (2007.01)**
[25] EN
[54] **MULTILEVEL POWER CONVERSION DEVICE**
[54] **DISPOSITIF DE CONVERSION ELECTRIQUE MULTI-NIVEAU**
[72] HASEGAWA, ISAMU, JP
[72] KODAMA, TAKASHI, JP
[72] KONDO, TAKESHI, JP
[72] URUSHIBATA, SHOTA, JP
[72] SAKO, HIROMI, JP
[72] KOBORI, KENJI, JP
[72] HAMADA, SHIZUNORI, JP
[72] KODACHI, KEIICHI, JP
[73] MEIDENSHA CORPORATION, JP
[85] 2016-02-01
[86] 2014-05-28 (PCT/JP2014/064105)
[87] (WO2015/015885)
[30] JP (2013-160999) 2013-08-02
[30] JP (2013-240681) 2013-11-21

[11] **2,920,160**
[13] C
[51] **Int.Cl. E01H 5/08 (2006.01)**
[25] EN
[54] **SNOW REMOVAL MACHINE**
[54] **MACHINE D'ENLEVEMENT DE LA NEIGE**
[72] YUKI, TORU, JP
[72] FUKANO, JUN, JP
[72] NAKAYAMA, SHINSAKU, JP
[72] HIROSE, YOSHIHISA, JP
[73] HONDA MOTOR CO., LTD., JP
[86] (2920160)
[87] (2920160)
[22] 2016-02-05
[30] JP (2015-035715) 2015-02-25

[11] **2,921,500**
[13] C
[51] **Int.Cl. A61J 7/04 (2006.01) A61J 1/20 (2006.01)**
[25] EN
[54] **DEVICE FOR ENCOURAGING ADHERENCE TO MEDICATION SCHEDULE AND PROPER ADMINISTRATION TECHNIQUE**
[54] **DISPOSITIF POUR ENCOURAGER L'ADHESION A UN PROGRAMME DE MEDICATION ET TECHNIQUE D'ADMINISTRATION APPROPRIEE**
[72] ARIAGNO, SCOTT, US
[72] ROUSH, DANIEL E., US
[73] BAXALTA INCORPORATED, US
[73] BAXALTA GMBH, CH
[85] 2016-02-16
[86] 2014-08-19 (PCT/US2014/051716)
[87] (WO2015/026837)
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[13] C
[51] **Int.Cl. G06F 21/60 (2013.01) G06F 17/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR SECURE DATA EXCHANGE AND DATA TAMPERING PREVENTION**
[54] **SYSTEMES ET METHODES D'ECHANGE DE DONNEES SECURISE ET DE PREVENTION DE VIOLATION DE DONNEES**
[72] GLENVILLE, MATTHEW A., GB
[72] TSELIKAS, STELIOS E., GB
[72] GKOULOUSIS, ANTONIOS, GB
[72] HILL, ANDREW J., GB
[72] HUTCHESON, FINBARR P., GB
[73] INTERCONTINENTAL EXCHANGE HOLDINGS, INC., US
[86] (2921528)
[87] (2921528)
[22] 2016-02-22
[30] US (62/119,422) 2015-02-23
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[25] EN
[54] **PACKAGE FOR OSTOMY BARRIER RING**
[54] **EMBALLAGE POUR BAGUE DE BARRIERE DE STOMIE**
[72] STREET, CALE N., US
[72] TODD, RUSSELL J., US
[72] JACKSON, DION A., US
[73] HOLLISTER INCORPORATED, US
[85] 2016-02-16
[86] 2014-10-20 (PCT/US2014/061362)
[87] (WO2015/102735)
[30] US (61/921,922) 2013-12-30

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[51] **Int.Cl. H04N 21/6334 (2011.01) G06Q 40/00 (2012.01)**
[25] EN
[54] **ACTIVATING LICENSABLE COMPONENT PROVIDED BY THIRD PARTY TO AUDIO VIDEO DEVICE**
[54] **ACTIVATION D'UN COMPOSANT SOUS LICENCE INTRODUIT PAR UN TIERS DANS UN DISPOSITIF AUDIOVISUEL**
[72] SHINTANI, PETER, US
[72] DOUILLET, LUDOVIC ETIENNE, US
[73] SONY CORPORATION, JP
[86] (2922142)
[87] (2922142)
[22] 2011-10-06
[62] 2,816,703
[30] US (61/412,552) 2010-11-11
[30] US (12/970,215) 2010-12-16
[30] US (13/034,179) 2011-02-24

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[13] C
[51] **Int.Cl. B65D 19/18 (2006.01) B65D 25/28 (2006.01)**
[25] EN
[54] **PLASTIC CONTAINER WITH LIFT HANDLE FOR FORK TRUCK TRANSPORT**
[54] **CONTENANT EN PLASTIQUE DOTE D'UNE POIGNEE DE LEVAGE DESTINE AU TRANSPORT PAR CHARIOT A FOURCHE**
[72] BALAZS, DONALD J., US
[72] GRIEVELDINGER, LINK JAY, US
[72] BUSS, SCOTT J., US
[72] BANIK, JOACHIM, US
[73] ORBIS CORPORATION, US
[86] (2922429)
[87] (2922429)
[22] 2016-03-02
[30] US (62/129,142) 2015-03-06
[30] US (15/057,328) 2016-03-01

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[51] **Int.Cl. A23P 30/00 (2016.01) A23P 30/20 (2016.01)**
[25] EN
[54] **DEVICE AND METHOD FOR FORMING FOOD PRODUCTS**
[54] **DISPOSITIF ET PROCEDE DE FORMATION DE PRODUITS ALIMENTAIRES**
[72] BAECHTLE, MANFRED, DE
[72] CRET, CLAUDIU, DE
[72] TEUFEL, DANIEL, DE
[73] ALBERT HANDTMANN MASCHINENFABRIK GMBH & CO. KG, DE
[86] (2922448)
[87] (2922448)
[22] 2016-03-03
[30] EP (15 163 850.9) 2015-04-16

[11] 2,923,238
[13] C
[51] **Int.Cl. G01V 5/04 (2006.01)**
[25] EN
[54] **COMBINING MULTIPLE ENERGY X-RAY IMAGING AND WELL DATA TO OBTAIN HIGH-RESOLUTION ROCK, MECHANICAL, AND ELASTIC PROPERTY PROFILES**
[54] **COMBINAISON D'IMAGERIE A RAYONS X A ENERGIE MULTIPLE ET DE DONNEES DE PUITS POUR OBTENIR DES PROFILS DE PROPRIETE MECANIQUE ET ELASTIQUE DE ROCHE A HAUTE RESOLUTION**
[72] HONARPOUR, MEHDI MATT, US
[72] DVORKIN, JACK, US
[73] INGRAIN, INC., US
[85] 2016-03-04
[86] 2013-09-04 (PCT/US2013/057899)
[87] (WO2015/034472)

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[51] **Int.Cl. A61G 5/10 (2006.01) A61G 5/04 (2013.01)**
[25] EN
[54] **POWERED MOBILITY DEVICE WITH TILT MECHANISM HAVING MULTIPLE PIVOTS**
[54] **DISPOSITIF DE MOBILITE MOTORISE COMPORTANT UN MECANISME D'INCLINAISON A PLUSIEURS PIVOTS**
[72] HALSALL, KEVIN THOMAS, NZ
[73] OGO TECHNOLOGY LIMITED, NZ
[86] (2924392)
[87] (2924392)
[22] 2016-03-18
[30] NZ (706881) 2015-04-10

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[13] C
[51] **Int.Cl. H05K 7/20 (2006.01)**
[25] EN
[54] **LIQUID COOLED ELECTRONIC MODULES AND METHODS FOR REPLACING THE SAME**
[54] **MODULES ELECTRONIQUES REFROIDIS PAR LIQUIDE ET LEURS PROCEDES DE REMPLACEMENT**
[72] IONESCU, BOGDAN, US
[72] HAMMOND, PETER WILLARD, US
[73] SIEMENS AKTIENGESELLSCHAFT, DE
[85] 2016-03-17
[86] 2014-09-05 (PCT/US2014/054172)
[87] (WO2015/041861)
[30] US (14/031,097) 2013-09-19

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[51] **Int.Cl. G01N 21/15 (2006.01) G01N 21/51 (2006.01)**
[25] EN
[54] **NEPHELOMETRIC TURBIDIMETER AND METHOD FOR DETECTION OF THE CONTAMINATION OF A SAMPLE CUVETTE OF A NEPHELOMETRIC TURBIDIMETER**
[54] **TURBIDIMETRE NEPHELOMETRIQUE ET PROCEDE DE DETECTION DE LA CONTAMINATION D'UNE CUVETTE A ECHANTILLON D'UN TURBIDIMETRE NEPHELOMETRIQUE**
[72] BATTEFELD, MANFRED, DE
[72] KUSSMANN, MICHAEL, DE
[72] DE HEIJ, BAS, DE
[72] GASSNER, BERND, DE
[72] STEINHAUER, FRANK, DE
[72] KUMPCH, HANS-JOACHIM, DE
[72] LEYER, AXEL, DE
[72] KUPPERS, MICHAEL, DE
[72] GOLITZ, ANDREAS, DE
[72] MITREITER, ANDREAS, DE
[72] HANSCHKE, CLEMENS, DE
[72] HEIDEMANNS, LOTHAR, DE
[73] HACH LANGE GMBH, DE
[85] 2016-03-18
[86] 2013-09-30 (PCT/EP2013/070353)
[87] (WO2015/043675)

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[13] C
[51] **Int.Cl. E21B 17/02 (2006.01) E21B 17/046 (2006.01)**
[25] EN
[54] **EXTERNAL SLIP HAVING EXPANDABLE SLOTS AND A RETAINER**
[54] **COIN DE RETENUE EXTERNE AYANT DES FENTES EXTENSIBLES ET UN ORGANE DE RETENUE**
[72] ELDHO, SHANU THOTTUNGAL, SG
[72] EZELL, MICHAEL DALE, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-03-24
[86] 2013-11-29 (PCT/US2013/072483)
[87] (WO2015/080751)

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[13] C
[51] **Int.Cl. E21B 17/03 (2006.01) E21B 17/046 (2006.01) E21B 19/18 (2006.01)**
[25] EN
[54] **ADJUSTABLE SHEAR ASSEMBLY**
[54] **ENSEMBLE DE CISAILLEMENT AJUSTABLE**
[72] STOKES, MATTHEW BRADLEY, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-04-01
[86] 2013-11-04 (PCT/US2013/068320)
[87] (WO2015/065493)

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[13] C
[51] **Int.Cl. B04B 3/04 (2006.01) B04B 7/04 (2006.01) B04B 11/02 (2006.01)**
[25] EN
[54] **CENTRIFUGAL SEPARATOR WITH VIBRATING UNIT**
[54] **SEPARATEUR CENTRIFUGE DOTE D'UN MODULE VIBRATOIRE**
[72] VICENTINI, RENZO, IT
[72] WALRAVEN, ALBERT, AE
[73] MANTOVANI & VICENTINI S.R.L., IT
[85] 2016-04-01
[86] 2013-10-02 (PCT/IT2013/000266)
[87] (WO2015/049703)

[11] **2,926,171**
[13] C
[51] **Int.Cl. B04B 3/04 (2006.01) B04B 7/04 (2006.01) B04B 7/16 (2006.01) B04B 11/02 (2006.01) B04B 15/06 (2006.01)**
[25] EN
[54] **CENTRIFUGAL SEPARATOR**
[54] **SEPARATEUR CENTRIFUGE**
[72] VICENTINI, RENZO, IT
[72] WALRAVEN, ALBERT, AE
[73] MANTOVANI & VICENTINI S.R.L., IT
[85] 2016-04-01
[86] 2013-10-02 (PCT/IT2013/000268)
[87] (WO2015/049705)

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[13] C
[51] **Int.Cl. G10L 19/02 (2013.01) G10L 19/16 (2013.01) G10L 21/038 (2013.01) G10L 21/04 (2013.01)**
[25] EN
[54] **CROSS PRODUCT ENHANCED HARMONIC TRANSPOSITION**
[54] **TRANSPOSITION HARMONIQUE AMELIOREE DE PRODUIT D'INTERMODULATION**
[72] VILLEMOES, LARS, SE
[72] HEDELIN PER, SE
[73] DOLBY INTERNATIONAL AB, NL
[86] (2926491)
[87] (2926491)
[22] 2010-01-15
[62] 2,748,003
[30] US (61/145,223) 2009-01-16

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[11] **2,926,595**
[13] C
[51] **Int.Cl. B64D 41/00 (2006.01) F02C 9/00 (2006.01)**
[25] EN
[54] **METHOD FOR DIAGNOSING AN AUXILIARY POWER UNIT FAULT**
[54] **PROCEDE POUR DIAGNOSTIQUER UNE PANNE D'UNITE D'ALIMENTATION AUXILIAIRE**
[72] CATT, CHRISTOPHER JOSEPH, GB
[73] GE AVIATION SYSTEMS LIMITED, GB
[85] 2016-03-29
[86] 2013-10-07 (PCT/GB2013/052601)
[87] (WO2015/052458)

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[13] C
[51] **Int.Cl. G06K 19/07 (2006.01) B42D 25/00 (2014.01) G06K 19/077 (2006.01)**
[25] EN
[54] **MANUFACTURING METHOD FOR PORTABLE DATA CARRIERS**
[54] **METHODE DE FABRICATION DE PORTEURS DE DONNEES PORTABLES**
[72] BANNERT, STEFAN, DE
[72] KAUFMANN, PETER, DE
[72] PERLITZ, LUCAS, DE
[72] TARANTINO, THOMAS, DE
[72] GRIESMEIER, ROBERT, DE
[72] MOSTHOF, TATJANA, DE
[72] REGENSBURGER, CORDULA, DE
[73] GIESECKE+DEVRIENT MOBILE SECURITY GMBH, DE
[85] 2016-04-07
[86] 2014-10-24 (PCT/EP2014/002886)
[87] (WO2015/078548)
[30] DE (10 2013 019 849.6) 2013-11-26

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[13] C
[51] **Int.Cl. G10L 19/20 (2013.01) G10L 19/08 (2013.01)**
[25] EN
[54] **CONCEPT FOR ENCODING AN AUDIO SIGNAL AND DECODING AN AUDIO SIGNAL USING DETERMINISTIC AND NOISE LIKE INFORMATION**
[54] **CONCEPT POUR L'ENCODAGE D'UN SIGNAL AUDIO ET LE DECODAGE D'UN SIGNAL AUDIO AU MOYEN D'INFORMATIONS DETERMINISTIQUES ET DE TYPE BRUIT**
[72] FUCHS, GUILLAUME, DE
[72] MULTRUS, MARKUS, DE
[72] RAVELLI, EMMANUEL, DE
[72] SCHNELL, MARKUS, DE
[73] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2016-04-15
[86] 2014-10-10 (PCT/EP2014/071769)
[87] (WO2015/055532)
[30] EP (13189392.7) 2013-10-18
[30] EP (14178785.3) 2014-07-28

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[13] C
[51] **Int.Cl. E21B 47/0228 (2012.01) E21B 47/135 (2012.01) E21B 7/04 (2006.01)**
[25] EN
[54] **FIBER OPTIC CURRENT MONITORING FOR ELECTROMAGNETIC RANGING**
[54] **SURVEILLANCE DE COURANT A FIBRE OPTIQUE POUR TELEMETRIE ELECTROMAGNETIQUE**
[72] WILSON, GLENN A., US
[72] DONDERICI, BURKAY, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-04-19
[86] 2013-12-18 (PCT/US2013/075908)
[87] (WO2015/094202)

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[13] C
[51] **Int.Cl. F01D 25/24 (2006.01) F01D 5/28 (2006.01) F01D 9/02 (2006.01) F01D 25/28 (2006.01) F02C 7/24 (2006.01)**
[25] EN
[54] **SYSTEM FOR THERMALLY ISOLATING A TURBINE SHROUD**
[54] **SYSTEME D'ISOLATION THERMIQUE D'UNE ENVELOPPE DE TURBINE**
[72] TURA, CHRISTOPHER PAUL, US
[72] FITZPATRICK, DYLAN JAMES, US
[73] GENERAL ELECTRIC COMPANY, US
[86] (2928976)
[87] (2928976)
[22] 2016-05-05
[30] US (14/708,336) 2015-05-11

[11] **2,929,212**
[13] C
[51] **Int.Cl. B02C 18/00 (2006.01)**
[25] EN
[54] **COMMINUTING UNIT FOR A COMMINUTING DEVICE FOR COMMINUTING FEED MATERIAL, IN PARTICULAR KNIFE BASKET**
[54] **MODULE DILACERATEUR DESTINE A UN APPAREIL DILACERATEUR SERVANT A DILACERER UN MATERIAU D'ALIMENTATION, DANS UN PANIER A COUTEAU PARTICULIER**
[72] PALLMANN, HARTMUT, DE
[72] DEGEL, VOLKER, DE
[73] PALLMANN MASCHINENFABRIK GMBH & CO. KG, DE
[86] (2929212)
[87] (2929212)
[22] 2016-05-06
[30] DE (10 2015 005 787.1) 2015-05-09

[11] **2,930,172**
[13] C
[51] **Int.Cl. E21B 10/44 (2006.01) E21B 10/43 (2006.01)**
[25] EN
[54] **CONTINUOUS LIVE TRACKING SYSTEM FOR PLACEMENT OF CUTTING ELEMENTS**
[54] **SYSTEME DE REPERAGE CONTINU EN TEMPS REEL POUR LE PLACEMENT D'ELEMENTS DE COUPE**
[72] ANSARI, USMAN SAMI, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-05-09
[86] 2013-12-10 (PCT/US2013/074142)
[87] (WO2015/088500)

[11] **2,930,500**
[13] C
[51] **Int.Cl. F02C 7/12 (2006.01) F01D 25/12 (2006.01) F01D 25/18 (2006.01) F02C 7/06 (2006.01)**
[25] EN
[54] **COOLING SYSTEM**
[54] **SYSTEME DE REFROIDISSEMENT**
[72] CERNY, MATTHEW ROBERT, US
[72] KROGER, CHRISTOPHER JAMES, US
[72] MILLER, BRANDON WAYNE, US
[73] GENERAL ELECTRIC COMPANY, US
[86] (2930500)
[87] (2930500)
[22] 2016-05-19
[30] US (14/814,546) 2015-07-31

[11] **2,930,984**
[13] C
[51] **Int.Cl. A61F 13/475 (2006.01) A61F 13/47 (2006.01) A61F 13/531 (2006.01)**
[25] EN
[54] **ABSORBENT PADS COMPRISING ZONES OF DIFFERENTIAL ABSORBENT CAPACITY**
[54] **GARNITURES ABSORBANTES COMPRENANT DES ZONES A CAPACITE D'ABSORPTION DIFFERENTIELLE**
[72] CARLUCCI, GIOVANNI, IT
[72] PERI, ANDREA, DE
[72] BELLUCCI, REMO, US
[72] BEWICK-SONNTAG, CHRISTOPHER PHILIP, US
[72] KIRKBRIDE, TANA, US
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2016-05-17
[86] 2014-12-08 (PCT/US2014/069014)
[87] (WO2015/094735)
[30] US (61/918,899) 2013-12-20

[11] **2,931,270**
[13] C
[51] **Int.Cl. B04B 11/06 (2006.01) B04B 15/08 (2006.01)**
[25] EN
[54] **VALVE FOR DRAINING OFF GAS FROM A CENTRIFUGAL SEPARATOR**
[54] **SOUPAPE POUR EVACUER LE GAZ D'UN SEPARATEUR CENTRIFUGE**
[72] ISAKSSON, ROLAND, BR
[73] ALFA LAVAL CORPORATE AB, SE
[85] 2016-05-20
[86] 2014-12-04 (PCT/EP2014/076615)
[87] (WO2015/086435)
[30] EP (13196651.7) 2013-12-11

[11] **2,931,465**
[13] C
[51] **Int.Cl. B21B 37/16 (2006.01) B21B 37/58 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS TO DETERMINE A PLUNGE DEPTH POSITION OF MATERIAL CONDITIONING MACHINES**
[54] **METHODES ET APPAREIL SERVANT A DETERMINER UNE POSITION DE PROFONDEUR DE PLONGEE DE MACHINES DE CONDITIONNEMENT DE MATERIAU**
[72] COX, CLARENCE B., US
[72] DOWNING, ROGER, US
[73] THE BRADBURY COMPANY, INC., US
[86] (2931465)
[87] (2931465)
[22] 2016-05-30
[30] US (14/729,821) 2015-06-03

[11] **2,932,754**
[13] C
[51] **Int.Cl. B22F 3/105 (2006.01) B33Y 30/00 (2015.01)**
[25] EN
[54] **ADDITIVE MANUFACTURING APPARATUS AND METHOD FOR LARGE COMPONENTS**
[54] **APPAREIL DE FABRICATION MODULAIRE ET METHODE DESTINEE A DE GROSSES COMPOSANTES**
[72] MORRIS, GREGORY MUSTER, US
[72] WILFERT, GUENTER HELMUT, DE
[72] ROCKSTROH, TODD JAY, US
[73] GENERAL ELECTRIC COMPANY, US
[86] (2932754)
[87] (2932754)
[22] 2016-06-09
[30] US (14/744,982) 2015-06-19

[11] **2,933,128**
[13] C
[51] **Int.Cl. A23G 1/00 (2006.01) A23G 1/30 (2006.01) A23G 1/54 (2006.01)**
[25] EN
[54] **TEMPERATURE TOLERANT CHOCOLATE**
[54] **CHOCOLAT TOLERANT A LA TEMPERATURE**
[72] FOUNTAIN, GERALD OLEAN, US
[72] PENNER, AMY L., GB
[73] KRAFT FOODS R&D, INC., US
[85] 2016-06-08
[86] 2015-01-05 (PCT/IB2015/050069)
[87] (WO2015/101955)
[30] GB (1400154.9) 2014-01-06

[11] **2,933,377**
[13] C
[51] **Int.Cl. C22B 59/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR RECOVERY OF RARE-EARTH CONSTITUENTS FROM ENVIRONMENTAL BARRIER COATINGS**
[54] **SYSTEMES ET PROCEDES DESTINES A RECUPERER DES CONSTITUANTS DE TERRES RARES A PARTIR DE REVETEMENTS DE BARRIERES ENVIRONNEMENTALES**
[72] MANEPALLI, SATYA KISHORE, US
[72] GROSSMAN, THEODORE ROBERT, US
[72] LIPKIN, DON MARK, US
[72] GOURISHANKAR, KARTHICK VILAPAKKAM, US
[72] LYONS, ROBERT JOSEPH, US
[73] GENERAL ELECTRIC COMPANY, US
[85] 2016-06-09
[86] 2014-12-17 (PCT/US2014/070806)
[87] (WO2015/095303)
[30] US (14/137,008) 2013-12-20

[11] **2,933,454**
[13] C
[51] **Int.Cl. H02J 3/00 (2006.01) H02J 13/00 (2006.01) H03K 17/00 (2006.01)**
[25] EN
[54] **ELECTRONIC DEVICE FOR CONTROLLING HIGH-VOLTAGE WITH MULTIPLE LOW-VOLTAGE SWITCHES**
[54] **DISPOSITIF ELECTRONIQUE DE CONTROLE DE HAUTE TENSION DOTE DE MULTIPLES COMMUTATEURS BASSE TENSION**
[72] LIU, TAO, CA
[73] LIU, TAO, CA
[86] (2933454)
[87] (2933454)
[22] 2016-06-16
[30] US (14/753,312) 2015-06-29

[11] **2,933,852**
[13] C
[51] **Int.Cl. A61F 5/455 (2006.01) A61F 2/00 (2006.01) A61F 6/08 (2006.01)**
[25] EN
[54] **METHOD OF PROFILE HEAT SEALING**
[54] **PROCEDE DE THERMOSCELLAGE PROFILE**
[72] STRONG, KEVIN CHARLES, US
[72] AVERY, ROBERT CLARK, US
[72] DURLING, EVAN JOSEPH, US
[72] GIULIANI, CRISTIAN, IT
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2016-06-14
[86] 2014-12-16 (PCT/US2014/070622)
[87] (WO2015/095204)
[30] US (61/919,171) 2013-12-20

[11] **2,934,046**
[13] C
[51] **Int.Cl. E21B 23/02 (2006.01) E21B 34/14 (2006.01) E21B 43/14 (2006.01) E21B 43/26 (2006.01)**
[25] EN
[54] **AUTONOMOUS SELECTIVE SHIFTING TOOL**
[54] **OUTIL DE DECALAGE SELECTIF AUTONOME**
[72] NGUYEN, MINH-TUAN, US
[72] INGRAM, GARY DURON, US
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[85] 2016-06-15
[86] 2014-12-18 (PCT/US2014/071237)
[87] (WO2015/095571)
[30] US (61/919,324) 2013-12-20

[11] **2,934,691**
[13] C
[51] **Int.Cl. A23G 1/00 (2006.01) A23G 1/54 (2006.01) A23G 3/34 (2006.01) A23G 3/54 (2006.01)**
[25] EN
[54] **PROCESS FOR PRODUCING CONFECTIONS COMPRISING CAPSULES**
[54] **PROCEDE DE PRODUCTION DE CONFISERIES COMPRENANT DES CAPSULES**
[72] WOOD, XAVIER, GB
[72] MELLORS, MARK, GB
[72] HAINES, ROD, GB
[73] KRAFT FOODS R&D, INC., US
[85] 2016-06-20
[86] 2015-01-06 (PCT/IB2015/050089)
[87] (WO2015/101965)
[30] GB (1400137.4) 2014-01-06

[11] **2,935,070**
[13] C
[51] **Int.Cl. D21H 27/30 (2006.01)**
[25] EN
[54] **BASE FABRIC FOR DISPOSABLE TEXTILE PRODUCT AND DISPOSABLE TEXTILE PRODUCT USING SAME**
[54] **TISSU DE BASE DESTINE A UN PRODUIT TEXTILE JETABLE ET PRODUIT TEXTILE JETABLE COMPORTANT LEDIT TISSU**
[72] YAMADA, KIKUO, JP
[73] YAMADA, KIKUO, JP
[85] 2016-07-04
[86] 2015-11-13 (PCT/JP2015/082637)
[87] (WO2016/181579)
[30] JP (2015-097780) 2015-05-12
[30] JP (2015/123315) 2015-06-18
[30] JP (2015-157776) 2015-08-07
[30] US (62/205,936) 2015-08-17

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[13] C
[51] **Int.Cl. B21C 51/00 (2006.01) B21C 47/18 (2006.01) B21C 47/34 (2006.01)**
[25] EN
[54] **STATION FOR INSPECTING ROLLED STRIPS IN COILS**
[54] **STATION D'INSPECTION DE BANDES LAMINEES EN BOBINES**
[72] SCHREIBER, MARCO, IT
[72] BRESSAN, LUCA, IT
[73] DANIELI & C. OFFICINE MECCANICHE S.P.A., IT
[85] 2016-07-25
[86] 2015-01-27 (PCT/IB2015/050607)
[87] (WO2015/111028)
[30] IT (MI2014A000104) 2014-01-27

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[51] **Int.Cl. F04B 47/12 (2006.01) E21B 47/26 (2012.01) E21B 37/06 (2006.01) E21B 43/12 (2006.01) E21B 47/12 (2012.01)**
[25] EN
[54] **MODULAR PLUNGER FOR A HYDROCARBON WELLBORE**
[54] **PLONGEUR MODULAIRE DESTINE A UN TROU DE FORAGE D'HYDROCARBURES**
[72] WILKINSON, BARRY J., US
[73] DIVERGENT TECHNOLOGIES, LLC, US
[86] (2938939)
[87] (2938939)
[22] 2016-08-12
[30] US (62/204,552) 2015-08-13

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[11] **2,938,977**
[13] C
[51] **Int.Cl. C03B 5/16 (2006.01) C03B 37/01 (2006.01)**
[25] EN
[54] **PROCESS OF USING A SUBMERGED COMBUSTION MELTER TO PRODUCE HOLLOW GLASS FIBER OR SOLID GLASS FIBER HAVING ENTRAINED BUBBLES, AND BURNERS AND SYSTEMS TO MAKE SUCH FIBERS**
[54] **PROCEDE D'UTILISATION D'UN POT DE FUSION POUR COMBUSTION IMMERGEE POUR FABRIQUER UNE FIBRE DE VERRE CREUSE OU UNE FIBRE DE VERRE PLEINE AYANT DES BULLES ENTRAINEES, ET BRULEURS ET SYSTEMES POUR FABRIQUER DE TELLES FIBRES**
[72] CHARBONNEAU, MARK WILLIAM, US
[72] MCHUGH, KEVIN PATRICK, US
[73] JOHNS MANVILLE, US
[86] (2938977)
[87] (2938977)
[22] 2013-06-25
[62] 2,878,192
[30] US (13/540,771) 2012-07-03

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[13] C
[51] **Int.Cl. H01M 8/02 (2016.01) H01M 8/10 (2016.01)**
[25] EN
[54] **FUEL CELL AND METHOD OF MANUFACTURING FUEL CELL WITH ULTRAVIOLET CURABLE ADHESIVE**
[54] **PILE A COMBUSTIBLE ET PROCEDE DE FABRICATION DE PILE A COMBUSTIBLE AVEC UN ADHESIF DURCISSABLE PAR ULTRAVIOLET**
[72] IKEDA, KOTARO, JP
[72] HASEGAWA, HIKARU, JP
[72] ASADA, NAOHIRO, JP
[72] YOSHIDA, MAKOTO, JP
[72] HAYASHI, TOMOKAZU, JP
[72] MOCHIZUKI, MICHIHISA, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[85] 2016-08-23
[86] 2015-03-17 (PCT/JP2015/001470)
[87] (WO2015/141215)
[30] JP (2014-054314) 2014-03-18
[30] JP (2015-047025) 2015-03-10

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[13] C
[51] **Int.Cl. F02C 7/36 (2006.01)**
[25] EN
[54] **MULTI-DIRECTIONAL GEARBOX DEFLECTION LIMITER FOR A GAS TURBINE ENGINE**
[54] **LIMITEUR DE DEFLEXION D'ENGRENAGE MULTIDIRECTIONNEL DESTINE A UNE TURBINE A GAZ**
[72] MILLER, BRANDON WAYNE, US
[72] BRADLEY, DONALD ALBERT, US
[73] GENERAL ELECTRIC COMPANY, US
[86] (2941359)
[87] (2941359)
[22] 2016-09-08
[30] US (14/857,164) 2015-09-17

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[13] C
[51] **Int.Cl. B26D 3/22 (2006.01) A23N 15/00 (2006.01) B26D 3/26 (2006.01)**
[25] EN
[54] **DICING MACHINES AND METHODS OF USE**
[54] **MACHINES DE DECOUPAGE EN DES ET METHODES D'UTILISATION**
[72] KLOCKOW, SCOTT ALAN, US
[72] FANT, JAMES A., US
[73] URSCHEL LABORATORIES, INC., US
[85] 2016-09-01
[86] 2015-03-13 (PCT/US2015/020332)
[87] (WO2015/138830)
[30] US (61/952,218) 2014-03-13
[30] US (14/656,062) 2015-03-12

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[13] C
[51] **Int.Cl. F02D 41/04 (2006.01) F02D 41/30 (2006.01) F02D 45/00 (2006.01)**
[25] EN
[54] **FUEL INJECTION CONTROLLING APPARATUS**
[54] **APPAREIL DE CONTROLE D'INJECTION DE CARBURANT**
[72] ENDO, YOHEI, JP
[72] NOZAKI, YASUHIRO, JP
[73] HONDA MOTOR CO., LTD., JP
[86] (2942153)
[87] (2942153)
[22] 2016-09-16
[30] JP (2015-185450) 2015-09-18

[11] 2,942,670
[13] C
[51] **Int.Cl. E04C 2/288 (2006.01) E04C 5/18 (2006.01) E04C 5/20 (2006.01)**
[25] EN
[54] **TIE SYSTEM FOR INSULATED CONCRETE PANELS**
[54] **SYSTEME D'ATTACHE POUR PANNEAUX DE BETON ISOLES**
[72] JENSEN, KEITH, US
[72] FODERBERG, JOEL, US
[73] ICONX, LLC, US
[85] 2016-09-13
[86] 2015-03-13 (PCT/US2015/020344)
[87] (WO2015/138836)
[30] US (61/953,372) 2014-03-14
[30] US (61/985,211) 2014-04-28
[30] US (14/265,931) 2014-04-30

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[13] C
[51] **Int.Cl. A61F 13/511 (2006.01)**
[25] EN
[54] **SANITARY NAPKIN**
[54] **SERVIETTE HYGIENIQUE**
[72] CHIEN, YUAN-CHENG, TW
[73] CHIEN, YUAN-CHENG, TW
[86] (2943969)
[87] (2943969)
[22] 2016-09-30
[30] TW (104140895) 2015-12-07

[11] 2,945,274
[13] C
[51] **Int.Cl. F02K 1/28 (2006.01) F02C 7/00 (2006.01) F02C 7/264 (2006.01) F02K 1/38 (2006.01) F02K 1/78 (2006.01) F02K 3/10 (2006.01) F23R 3/18 (2006.01)**
[25] EN
[54] **THRUST INCREASING DEVICE**
[54] **DISPOSITIF D'AUGMENTATION DE POUSSEE**
[72] TANAKA, SHINJI, JP
[72] HOSOI, JUN, JP
[72] TAKAHASHI, KATSUYOSHI, JP
[72] HIROMITSU, NAGAYOSHI, JP
[73] IHI CORPORATION, JP
[85] 2016-10-07
[86] 2015-05-22 (PCT/JP2015/064724)
[87] (WO2015/178477)
[30] JP (2014-107048) 2014-05-23

[11] 2,945,722
[13] C
[51] **Int.Cl. B65D 5/52 (2006.01) B65D 5/54 (2006.01)**
[25] EN
[54] **PACKAGE ASSEMBLY COMPRISING INNER AND OUTER CONTAINERS, METHOD OF MANUFACTURING THEREOF, METHODS OF STORING/DISPLAYING PRODUCTS THEREWITH AND BLANK FOR FORMING THE OUTER CONTAINER THEREOF**
[54] **ENSEMBLE EMBALLAGE COMPRENANT DES CONTENANTS INTERNE ET EXTERNE, PROCEDE DE FABRICATION DE CELUI-CI, PROCEDES DE STOCKAGE/PRESENTATION DE PRODUITS AVEC CELUI-CI ET DECOUPE POUR FORMER LE CONTENANT EXTERNE DE CELUI-CI**
[72] COLLIER, PAUL, GB
[72] MACQUEEN, PETER GRAHAM RICHARD, GB
[73] KRAFT FOODS R & D, INC., US
[85] 2016-10-13
[86] 2015-06-11 (PCT/IB2015/001015)
[87] (WO2016/024150)
[30] GB (1414368.9) 2014-08-13

[11] 2,946,289
[13] C
[51] **Int.Cl. G06F 19/18 (2011.01) G06F 19/28 (2011.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR RNA ANALYSIS IN FUNCTIONAL CONFIRMATION OF CANCER MUTATIONS**
[54] **SYSTEMES ET PROCEDES POUR L'ANALYSE D'ARN DANS UNE CONFIRMATION FONCTIONNELLE DE MUTATIONS CANCEREUSES**
[72] SANBORN, JOHN ZACHARY, US
[73] FIVE3 GENOMICS, LLC, US
[85] 2016-10-18
[86] 2015-03-25 (PCT/US2015/022521)
[87] (WO2015/148689)
[30] US (61/970,054) 2014-03-25
[30] US (14/668,518) 2015-03-25

[11] 2,946,471
[13] C
[51] **Int.Cl. C07D 495/04 (2006.01) A61K 31/4355 (2006.01) A61K 31/4365 (2006.01) A61K 31/437 (2006.01) A61K 31/519 (2006.01) A61P 25/00 (2006.01) C07D 471/04 (2006.01) C07D 491/048 (2006.01) C07D 513/04 (2006.01) C07D 519/00 (2006.01)**
[25] EN
[54] **FUSED BICYCLIC HETEROAROMATIC COMPOUNDS AND THEIR USE AS DOPAMINE D1 LIGANDS**
[54] **COMPOSES HETEROAROMATIQUES BICYCLIQUE FUSIONNES ET LEUR UTILISATION COMME LIGANDS DE DOPAMINE D1**
[72] GRAY, DAVID LAWRENCE FIRMAN, US
[72] ZHANG, LEI, US
[72] DAVOREN, JENNIFER ELIZABETH, US
[72] DOUNAY, AMY BETH, US
[72] EFREMOV, IVAN VIKTOROVICH, US
[72] MENTE, SCOT RICHARD, US
[72] SUBRAMANYAM, CHAKRAPANI, US
[73] PFIZER INC., US
[85] 2016-10-20
[86] 2015-04-09 (PCT/IB2015/052594)
[87] (WO2015/162515)
[30] US (61/984,070) 2014-04-25

[11] 2,946,483
[13] C
[51] **Int.Cl. G01R 31/333 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR TESTING A TAP CHANGER OF A TRANSFORMER**
[54] **PROCEDE ET DISPOSITIF DE CONTROLE D'UN COMMUTATEUR A GRADINS D'UN TRANSFORMATEUR**
[72] RADLER, MICHAEL, AT
[72] UNTERER, BORIS, AT
[73] OMICRON ELECTRONICS GMBH, AT
[85] 2016-10-20
[86] 2015-06-29 (PCT/EP2015/064714)
[87] (WO2016/001151)
[30] AT (A50458/2014) 2014-07-02

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[13] C
[51] **Int.Cl. E04C 5/08 (2006.01) E04C 5/12 (2006.01) E04C 5/16 (2006.01)**
[25] EN
[54] **MODIFIED PERMANENT CAP**
[54] **EMBOUT PERMANENT MODIFIE**
[72] SORKIN, FELIX, US
[73] SORKIN, FELIX, US
[85] 2016-10-20
[86] 2014-11-20 (PCT/US2014/066626)
[87] (WO2015/178959)
[30] US (62/000,396) 2014-05-19

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[13] C
[51] **Int.Cl. E05D 11/00 (2006.01)**
[25] EN
[54] **FREEZER AND HINGE FOR SAME**
[54] **CONGELATEUR ET CHARNIERE DESTINEE A CELUI-CI**
[72] LIU, CHAO, CN
[72] PU, XIANGHAI, CN
[72] WU, AN, CN
[73] HEFEI HUALING CO., LTD., CN
[73] HEFEI MIDEA REFRIGERATOR CO., LTD., CN
[85] 2016-10-25
[86] 2014-06-03 (PCT/CN2014/079107)
[87] (WO2015/161543)
[30] CN (201410174215.5) 2014-04-25
[30] CN (201420211756.6) 2014-04-25

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[13] C
[51] **Int.Cl. H04J 14/02 (2006.01) H04B 10/2581 (2013.01) H04L 1/24 (2006.01)**
[25] EN
[54] **METHOD, TRANSMITTER AND SYSTEM FOR TRANSMITTING DATA OVER OPTICAL SUPER-CHANNEL**
[54] **PROCEDE, EMETTEUR ET SYSTEME POUR TRANSMETTRE DES DONNEES SUR UN SUPER-CANAL OPTIQUE**
[72] KOJIMA, KEISUKE, US
[72] PARSONS, KIERAN, US
[72] MILLAR, DAVID, US
[72] AKINO, TOSHIAKI, US
[73] MITSUBISHI ELECTRIC CORPORATION, JP
[85] 2016-11-16
[86] 2015-05-26 (PCT/JP2015/065707)
[87] (WO2015/190328)
[30] US (14/299,458) 2014-06-09

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[13] C
[51] **Int.Cl. G09F 9/30 (2006.01) B42D 25/328 (2014.01) B41J 2/01 (2006.01) B41M 3/14 (2006.01) G09F 3/00 (2006.01) G09F 19/12 (2006.01)**
[25] EN
[54] **COLOR IMAGE DISPLAY DEVICES COMPRISING STRUCTURAL COLOR PIXELS THAT ARE SELECTIVELY ACTIVATED AND/OR DEACTIVATED BY MATERIAL DEPOSITION**
[54] **APPAREILS D'AFFICHAGE D'IMAGE COULEUR COMPORTANT DES PIXELS DE COULEUR STRUCTURAUX QUI SONT SELECTIVEMENT ACTIVES OU DESACTIVES PAR DEPOT DE MATIERE**
[72] JIANG, HAO, CA
[72] BOZENA, KAMINSKA, CA
[73] NANOMEDIA SOLUTIONS INC., CA
[85] 2016-11-22
[86] 2016-07-22 (PCT/CA2016/050861)
[87] (WO2017/015748)
[30] US (62/196,940) 2015-07-25

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[13] C
[51] **Int.Cl. A63B 71/00 (2006.01) A41D 20/00 (2006.01) A45C 15/04 (2006.01) A45D 42/06 (2006.01) A45D 42/16 (2006.01) A45F 5/00 (2006.01) A47G 1/02 (2006.01) A63B 71/06 (2006.01) F16M 13/04 (2006.01) G02B 5/10 (2006.01)**
[25] EN
[54] **AWARENESS DEVICE FOR ATHLETES**
[54] **DISPOSITIF DE CONSCIENTISATION DESTINE AUX ATHLETES**
[72] MAHARAJ, DAMIEN, CA
[73] DMYK INVENTIONS INC., CA
[86] (2949693)
[87] (2949693)
[22] 2016-11-23
[30] CA (2,946,435) 2016-10-19

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[13] C
[51] **Int.Cl. F28F 3/04 (2006.01)**
[25] EN
[54] **HEAT TRANSFER PLATE AND PLATE HEAT EXCHANGER COMPRISING SUCH A HEAT TRANSFER PLATE**
[54] **PLAQUE DE TRANSFERT DE CHALEUR ET ECHANGEUR DE CHALEUR A PLAQUE COMPRENANT UNE TELLE PLAQUE DE TRANSFERT DE CHALEUR**
[72] BLOMGREN, FREDRIK, SE
[73] ALFA LAVAL CORPORATE AB, SE
[85] 2016-11-28
[86] 2015-05-21 (PCT/EP2015/061245)
[87] (WO2015/193057)
[30] EP (14172928.5) 2014-06-18

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[13] C
[51] **Int.Cl. E01C 19/22 (2006.01) E04F 21/24 (2006.01)**
[25] EN
[54] **OFFSET MOUNTING ADAPTER FOR CONCRETE SURFACE PROCESSING TOOL**
[54] **ADAPTATEUR D'INSTALLATION DECALE DESTINE A UN OUTIL DE TRAITEMENT DE SURFACE DE BETON**
[72] SNYDER, JEFFREY L., US
[72] WAGMAN, GEORGE F., III, US
[73] WAGMAN METAL PRODUCTS, INC., US
[86] (2950857)
[87] (2950857)
[22] 2016-12-07
[30] US (15/245,316) 2016-08-24

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[13] C
[51] **Int.Cl. A63G 31/02 (2006.01) A63G 21/00 (2006.01) A63G 31/16 (2006.01)**
[25] EN
[54] **MOVING SHOW DOOR**
[54] **PORTE DE MANEGE MOBILE**
[72] VANCE, ERIC A., US
[72] HUNT, ERIC L., US
[72] MASON, DALE, US
[72] MCVEEN, KEITH, US
[73] UNIVERSAL CITY STUDIOS LLC, US
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[25] EN
[54] **WIRELESS POWER TRANSMISSION TO DOWNHOLE WELL EQUIPMENT**
[54] **TRANSMISSION D'ENERGIE SANS FIL A UN EQUIPEMENT DE PUITS DE FOND DE TROU**
[72] AHMAD, TALHA JAMAL, SA
[73] SAUDI ARABIAN OIL COMPANY, SA
[85] 2016-12-20
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[54] **VEHICLE TRANSPORTATION ROOM SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE SALLE DE TRANSPORT DE VEHICULE**
[72] MCVEEN, KEITH MICHAEL, US
[73] UNIVERSAL CITY STUDIOS LLC, US
[85] 2017-01-19
[86] 2015-07-07 (PCT/US2015/039434)
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[25] EN
[54] **ROD DRIVEN CENTRIFUGAL PUMPING SYSTEM FOR ADVERSE WELL PRODUCTION**
[54] **MECANISME DE POMPAGE CENTRIFUGE A TIGE POUR PRODUCTION DE PUITS EN TOUT TEMPS**
[72] FOUILLARD, PHIL, CA
[72] NOBLE, EVAN, CA
[72] PART, DARREN, CA
[73] OILFIELD EQUIPMENT DEVELOPMENT CENTER LIMITED, SC
[73] WEATHERFORD/LAMB, INC., US
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[54] **COMBINED HOT WATER AND AIR HEATING AND CONDITIONING SYSTEM INCLUDING HEAT PUMP**
[54] **SYSTEME COMBINE D'EAU CHAUDE ET DE CHAUFFAGE ET DE CONDITIONNEMENT D'AIR INCLUANT UNE POMPE A CHALEUR**
[72] DEIVASIGAMANI, SRIDHAR, US
[72] AKASAM, SIVAPRASAD, US
[73] INTELLIHOT GREEN TECHNOLOGIES, INC., US
[85] 2017-02-16
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[25] EN
[54] **WORKTOP FOR PIECES OF FURNITURE AND METHOD FOR JOINING SLABS SO AS TO OBTAIN SAID WORKTOP**
[54] **PLAN DE TRAVAIL DESTINE A DES MEUBLES ET METHODES DE JOINTAGE DE PLAQUES PERMETTANT D'OBTENIR LEDIT PLAN DE TRAVAIL**
[72] SCAPIN, ROMEO, IT
[73] MARMO ARREDO S.P.A., IT
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[54] **CARD DISCARDING DEVICE FOR TABLETOP GAME**
[54] **DISPOSITIF POUR JETER DES CARTES POUR JEU DE TABLE**
[72] SHIGETA, YASUSHI, JP
[73] ANGEL PLAYING CARDS CO., LTD., JP
[85] 2017-04-12
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[25] EN
[54] **PRODUCT CLEANING OF BITUMEN EXTRACTED FROM OIL SAND SOLVENT EXTRACTION PROCESSES**
[54] **NETTOYAGE DE PRODUITS DE BITUME EXTRAIT AU MOYEN DE PROCEDES D'EXTRACTION DE SOLVANTS DE SABLES BITUMINEUX**
[72] ABEL, KEITH A., CA
[72] BAZIUK, OKSANA L., CA
[73] IMPERIAL OIL RESOURCES LIMITED, CA
[86] (2964911)
[87] (2964911)
[22] 2017-04-21

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[54] **A SEPARATOR MODULE FOR A STORMWATER GULLY CHAMBER**
[54] **MODULE SEPARATEUR POUR CHAMBRE D'AVALOIR D'EAUX PLUVIALES**
[72] ANASTASIO, ANDREW SCOTT, US
[72] KOLANKO, ANTHONY TADEK LESLIE, GB
[72] MCKEE, KEVIN JOHN, US
[72] KANE, ANDREW STEVEN, GB
[72] SCOTT, DAVID ANDREW, US
[73] HYDRO INTERNATIONAL PLC, GB
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[25] EN
[54] **POWERED AMBULANCE COT WITH AN AUTOMATED COT CONTROL SYSTEM**
[54] **CIVIERE D'AMBULANCE MOTORISEE AVEC UN SYSTEME DE COMMANDE DE CIVIERE AUTOMATISE**
[72] BLICKENSDERFER, COLLEEN Q., US
[72] MAGILL, BRIAN M., US
[72] WELLS, TIMOTHY R., US
[72] SAR, PREETI, US
[72] ROBINSON, DERICK C., US
[72] VALENTINO, NICHOLAS V., US
[72] CLARK, MICHAEL D., US
[73] FERNO-WASHINGTON, INC., US
[85] 2017-05-11
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[51] **Int.Cl. A41B 9/02 (2006.01) A41B 9/12 (2006.01) A41D 13/015 (2006.01) A63B 71/12 (2006.01)**
[25] EN
[54] **ATHLETIC GARMENT WITH PROTECTIVE CUP POUCH**
[54] **VETEMENT DE SPORT COMPORTANT UNE POCHE POUR COQUILLE DE PROTECTION**
[72] ZAKEM, ANTHONY, CA
[73] TRICOT MONDIAL INC., CA
[85] 2017-05-24
[86] 2015-12-01 (PCT/CA2015/000588)
[87] (WO2016/086288)
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[51] **Int.Cl. C25D 11/36 (2006.01) C09D 5/44 (2006.01)**
[25] EN
[54] **METHOD FOR INCREASING ADHESION BETWEEN A CHROMIUM SURFACE AND A LACQUER**
[54] **PROCEDE PERMETTANT D'AUGMENTER L'ADHERENCE ENTRE UNE SURFACE DE CHROME ET UN VERNIS-LAQUE**
[72] PFIRRMANN, CHRISTINA, DE
[72] WACHTER, PHILIPP, DE
[72] HARTMANN, PHILIP, DE
[72] BORN, NANCY, DE
[72] UMARAN, JUAN-CARLOS, DE
[73] ATOTECH DEUTSCHLAND GMBH, DE
[85] 2017-05-26
[86] 2016-01-05 (PCT/EP2016/050069)
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[25] EN
[54] **AUTOMATIC AMMONIA-ADDING SYSTEM AND METHOD FOR AMMONIA-BASED DESULFURIZATION DEVICE**
[54] **SYSTEME ET METHODE D'AJOUT AUTOMATIQUE D'AMMONIAC DESTINES A UN DISPOSITIF DE DESULFURISATION A L'AMMONIAC**
[72] LUO, JING, CN
[72] WANG, JINYONG, CN
[72] ZHANG, JUN, CN
[73] JIANGNAN ENVIRONMENTAL PROTECTION GROUP INC., KY
[86] (2971841)
[87] (2971841)
[22] 2017-06-27
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[51] **Int.Cl. A61B 5/151 (2006.01) A61B 5/157 (2006.01)**
[25] EN
[54] **LANCETS FOR BODILY FLUID SAMPLING SUPPLIED ON A TAPE**
[54] **LANCETTES POUR L'ECHANTILLONNAGE DE LIQUIDE BIOLOGIQUE DISPOSEES SUR UN BANDE**
[72] RANEY, CHARLES C., US
[72] LIST, HANS, DE
[72] ROE, STEVEN N., US
[73] F. HOFFMANN-LA ROCHE, CH
[73] F. HOFFMANN-LA ROCHE AG, CH
[86] (2974755)
[87] (2974755)
[22] 2005-04-27
[62] 2,932,743
[30] US (10/836,578) 2004-04-30
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[25] EN
[54] **LANCETS FOR BODILY FLUID SAMPLING SUPPLIED ON A TAPE**
[54] **LANCETTES D'ECHANTILLONNAGE DE LIQUIDE BIOLOGIQUE DISPOSEES SUR UNE BANDE**
[72] RANEY, CHARLES C., US
[72] LIST, HANS, DE
[72] ROE, STEVEN N., US
[73] F. HOFFMANN-LA ROCHE AG, CH
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[51] **Int.Cl. A61K 31/6615 (2006.01) A61K 31/661 (2006.01) A61P 7/08 (2006.01)**
[25] EN
[54] **COMPOSITION THAT COMPRISES CRYSTALLISATION INHIBITORY SUBSTANCES**
[54] **COMPOSITION COMPRENANT DES SUBSTANCES INHIBITRICES DE LA CRISTALLISATION**
[72] COSTA BAUZA, ANTONIA, ES
[72] GRASES FREIXEDAS, FELIX, ES
[72] PERELLO BESTARD, JOAN, ES
[72] TUR ESPINOSA, FERNANDO, ES
[72] PRIETO ALMIRALL, RAFAEL M., ES
[72] GOMILA MUNIZ, ISABEL, ES
[73] UNIVERSITAT DE LES ILLES BALEARS, ES
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[87] (2975801)
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[25] EN
[54] **SYSTEM AND METHOD FOR SELECTING PAINT COMPOSITIONS BASED ON EXPECTED PAINT APPLICATION CONDITIONS**
[54] **SYSTEMES ET METHODE DE SELECTION DE COMPOSITIONS DE PEINTURE FONDES SUR LES CONDITIONS PREVUES D'APPLICATION DE LA PEINTURE**
[72] MARSALA, CARMELO, CA
[72] ARABI, PEIMAN, CA
[73] SPRAY-NET CANADA INC., CA
[85] 2017-08-10
[86] 2016-10-04 (PCT/CA2016/051156)
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[51] **Int.Cl. A24F 47/00 (2006.01) A61M 11/00 (2006.01)**
[25] EN
[54] **VAPORIZING DEVICES AND RELATED METHODS FOR CONTROLLING AN AMOUNT OF SUBSTANCE BEING VAPORIZED FOR CONSUMPTION BY A USER**
[54] **DISPOSITIFS DE VAPORISATION ET METHODES ASSOCIEES DESTINES A CONTROLER UNE QUANTITE D'UNE SUBSTANCE VAPORISEE EN VUE DE SA CONSOMMATION PAR UN UTILISATEUR**
[72] WILDER, ROBIN, US
[72] BROOKE GREEN, ELIZABETH, US
[73] S.E. RESEARCH AND DESIGN LLC, US
[86] (2979458)
[87] (2979458)
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[30] US (62/438,752) 2016-12-23
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[51] **Int.Cl. B60T 17/16 (2006.01)**
[25] EN
[54] **AUTOMATIC PARKING BRAKE FOR TRUCK MOUNTED BRAKE CYLINDER**
[54] **FREIN DE STATIONNEMENT AUTOMATIQUE POUR CYLINDRE DE FREIN MONTE SUR CAMION**
[72] HUBER, HOWARD, JR., US
[72] PARNAPY, KEITH, US
[72] NEULIEB, ROBERT, US
[73] NEW YORK AIR BRAKE LLC, US
[85] 2017-10-04
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[51] **Int.Cl. G08G 1/127 (2006.01) G08G 1/087 (2006.01)**
[25] EN
[54] **TRIP DETERMINATION FOR MANAGING TRANSIT VEHICLE SCHEDULES**
[54] **DETERMINATION DE VOYAGE POUR GESTION DE PROGRAMMES DE VEHICULE DE TRANSPORT EN COMMUN**
[72] BALLER, JONATHAN T., US
[73] GLOBAL TRAFFIC TECHNOLOGIES, LLC, US
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[25] EN
[54] **MID-ENGINED EXTENDED RANGE ELECTRIC VEHICLE**
[54] **VEHICULE ELECTRIQUE A MOTEUR CENTRAL A PLAGE ETENDUE**
[72] JIN, PU, CN
[73] TECHNOLOGIES' XANADU OF RESONATORY-SOLAR-SYSTEMED CO., LTD., CN
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[25] EN
[54] **FLICKER CONTROL FOR ELECTRIC ARC FURNACE**
[54] **LIMITATION DU PAPILLOTEMENT POUR FOUR A ARC ELECTRIQUE**
[72] SHEN, DONG, CA
[72] CAMPBELL, MICHAEL MORGAN, CA
[72] CHEUNG, JASON, CA
[72] WIKSTON, JAMES, CA
[73] HATCH LTD., CA
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[86] 2016-05-26 (PCT/CA2016/050595)
[87] (WO2016/191861)
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[25] EN
[54] **LAMP DETECTION DEVICE AND LAMP DETECTION METHOD**
[54] **DISPOSITIF DE DETECTION DE LAMPE ET PROCEDE DE DETECTION DE LAMPE**
[72] OKI, TAKAHIKO, JP
[72] MATSUO, HARUO, JP
[72] YAMANOI, DAIKI, JP
[73] NISSAN MOTOR CO., LTD., JP
[85] 2018-01-05
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[54] **WASTE DISPOSAL SYSTEMS FOR HIGH DENSITY VENUES**
[54] **SYSTEMES D'ELIMINATION DES DECHETS POUR LIEUX A HAUTE DENSITE**
[72] CIPRIAN, MICAH, CA
[72] HAMBLIN, GAVIN, CA
[73] SNAPBACK SEAT COMPANY LTD., CA
[85] 2018-03-28
[86] 2017-07-14 (PCT/CA2017/050855)
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[54] **BATHTUB WITH DOOR AND DRAIN**
[54] **BAIGNOIRE DOTEE DE PORTE ET DE PURGE**
[72] BEAUPRE, LUC, CA
[72] CHARBONNEAU, PATRICK, CA
[72] DESLAURIERS, ALAIN, CA
[72] MARCHAND, ALEXANDRE, CA
[72] ROCHETTE, JEAN, CA
[72] VEILLEUX, MARC, CA
[73] LES PRODUITS NEPTUNE INC., CA
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[86] 2017-05-30 (PCT/CA2017/050658)
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[25] EN
[54] **SPREADER**
[54] **EPANDEUSE**
[72] WENDORFF, TERRY C., US
[72] KUECHLER, KEVIN J., US
[72] GAMBLE, ROBERT N., II, US
[72] BREHMER, JACOB R., US
[73] SNO-WAY INTERNATIONAL, INC., US
[86] (3004548)
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[25] EN
[54] **WINDOW COVERING**
[54] **COUVRE-FENETRES**
[72] LIN, TZONG-FU, US
[73] WHOLE SPACE INDUSTRIES LTD., CN
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[25] EN
[54] **AGRICULTURAL IMPLEMENT**
[54] **ACCESSOIRE AGRICOLE**
[72] BEAUJOT, NORBERT, CA
[71] SEEDMASTER MANUFACTURING LTD., CA
[22] 2017-01-23
[41] 2018-07-23

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[25] EN
[54] **SYSTEM FOR DISPLAYING PERSONALIZED REAL TIME HEALTH AND DAILY INFORMATION ON A MIRROR**
[54] **SYSTEME D'AFFICHAGE D'INFORMATION PERSONNALISEE QUOTIDIENNE SUR LA SANTE EN TEMPS REEL SUR UN MIROIR**
[72] DUBIER, DAVE, CA
[71] DUBIER, DAVE, CA
[22] 2017-01-23
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[51] **Int.Cl. F16K 17/19 (2006.01) F16K 11/10 (2006.01)**
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[54] **RELIEF VALVE**
[54] **SOUPAPE DE SURETE**
[72] FISHER, BRENT, CA
[71] HAWKEYE INDUSTRIES INC., CA
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[51] **Int.Cl. B09B 3/00 (2006.01) B09B 1/00 (2006.01)**
[25] EN
[54] **LANDFILL SURFACE METHANE EMISSION QUANTIFICATION**
[54] **QUANTIFICATION D'EMISSIONS DE METHANE A LA SURFACE D'UNE DECHARGE**
[72] ABEDINI, ALI REZA, CA
[71] ISWM CONSULTING LTD., CA
[22] 2017-01-24
[41] 2018-07-24

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[51] **Int.Cl. A61H 3/04 (2006.01) A61G 5/10 (2006.01) A61G 5/00 (2006.01)**
[25] EN
[54] **APPARATUS FOR ATTACHING A WALKER TO A WHEELCHAIR**
[54] **APPAREIL DE FIXATION D'UN DEAMBULATEUR A UN FAUTEUIL ROULANT**
[72] BORDENAVE, DANIEL, CA
[71] BORDENAVE, DANIEL, CA
[22] 2017-01-24
[41] 2018-07-24

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[51] **Int.Cl. F23Q 7/14 (2006.01) A24F 47/00 (2006.01) H05B 3/00 (2006.01) H04W 88/02 (2009.01)**
[25] EN
[54] **A CIGARETTE LIGHTER AS A PLUG IN ACCESSORY FOR A CELL PHONE**
[54] **UN ALLUME-CIGARETTE A BRANCHER COMME ACCESSOIRE DESTINE A UN TELEPHONE CELLULAIRE**
[72] PICCONE, VASILY GEORGE, CA
[71] PICCONE, VASILY GEORGE, CA
[22] 2017-01-25
[41] 2018-07-25

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[51] **Int.Cl. H04N 21/25 (2011.01) H04N 21/2347 (2011.01) H04N 21/254 (2011.01) H04N 21/262 (2011.01)**
[25] EN
[54] **COMPUTING SYSTEM AND PROCESS FOR DIGITAL VIDEO DATA MANAGEMENT AND SCHEDULING**
[54] **SYSTEME INFORMATIQUE ET PROCESSUS DE GESTION ET PLANIFICATION DE DONNEES VIDEO NUMERIQUES**
[72] CARTER, COLIN MAXWELL, CA
[71] BITCINE TECHNOLOGIES INCORPORATED, CA
[22] 2017-01-24
[41] 2018-07-24

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[51] **Int.Cl. A42B 3/04 (2006.01) A42B 3/18 (2006.01) A61F 9/02 (2006.01)**
[25] EN
[54] **SUPPORT AND ATTACHMENT SYSTEM FOR HELMET GOGGLES**
[54] **SYSTEME DE SUPPORT ET FIXATION DESTINE A DES LUNETTES PORTEES SUR UN CASQUE**
[72] HANDFIELD, ROBERT, CA
[72] BOUCHARD-FORTIN, NICOLAS, CA
[71] KIMPEX INC., CA
[22] 2017-01-25
[41] 2018-07-25

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[13] A1
[51] **Int.Cl. D06F 57/00 (2006.01) A63B 71/00 (2006.01) F26B 19/00 (2006.01)**
[25] EN
[54] **SPORTS EQUIPMENT DRYING RACK**
[54] **SUPPORT DE SECHAGE D'EQUIPEMENT DE SPORT**
[72] PONTO, KALE J., CA
[72] PONTO, LEE, CA
[72] PONTO, DARREN, CA
[71] PONTO, KALE J., CA
[71] PONTO, LEE, CA
[71] PONTO, DARREN, CA
[22] 2017-01-25
[41] 2018-07-25

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[21] **2,956,092**
[13] A1
[51] **Int.Cl. E06B 9/36 (2006.01)**
[25] EN
[54] **VERTICAL CELLULAR DRAPE FOR AN ARCHITECTURAL STRUCTURE**
[54] **RIDEAU CELLULAIRE VERTICAL DESTINE A UNE STRUCTURE ARCHITECTURALE**
[72] RUPEL, JOHN D., US
[72] JUDKINS, REN, US
[72] CHESLOCK, SCOTT R., US
[72] STRAND, TORALF H., US
[71] HUNTER DOUGLAS, INC., US
[22] 2017-01-25
[41] 2018-07-25

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[21] **2,956,153**
[13] A1
[51] **Int.Cl. G06F 17/10 (2006.01) G06F 9/46 (2006.01) H04L 12/16 (2006.01) H04L 12/28 (2006.01)**
[25] EN
[54] **CLOUD COMPUTING: ESTIMATION OF EXECUTION DURATION PERTINENT TO CONCURRENT EXECUTION OF THREADS**
[54] **INFORMATIQUE NUAGIQUE : ESTIMATION DE LA DUREE D'EXECUTION PERTINENTE A L'EXECUTION CONCURRENTE DE FILS**
[72] MOHAMMADIAN ABKENAR, SEYED MOJTABA SMMA, CA
[71] MOHAMMADIAN ABKENAR, SEYED MOJTABA SMMA, CA
[22] 2017-01-28
[41] 2018-07-28

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[21] **2,956,241**
[13] A1
[51] **Int.Cl. F42D 1/08 (2006.01) E21C 37/02 (2006.01) E21C 37/08 (2006.01) F42D 1/22 (2006.01)**
[25] EN
[54] **DEVICE FOR TAMPING BLAST HOLES**
[54] **APPAREIL DE BOURRAGE DE TROUS DE MINE**
[72] BYTCHKOV, SERGUEI, CA
[71] BYTCHKOV, SERGUEI, CA
[22] 2017-01-26
[41] 2018-07-26

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[21] **2,956,250**
[13] A1
[51] **Int.Cl. E04H 4/14 (2006.01) E04H 4/04 (2006.01)**
[25] EN
[54] **INSULATING PANELS FOR ABOVE GROUND SWIMMING POOL**
[54] **PANNEAUX ISOLANTS DESTINES A UNE PISCINE HORS-TERRE**
[72] BOUTIN, YVON, CA
[71] BOUTIN, YVON, CA
[22] 2017-01-26
[41] 2018-07-26

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[21] **2,956,319**
[13] A1
[51] **Int.Cl. G01B 11/245 (2006.01)**
[25] EN
[54] **CALIBRATION FOR 3D IMAGING WITH A SINGLE-PIXEL CAMERA**
[54] **ETALONNAGE D'IMAGERIE 3D AU MOYEN D'UNE CAMERA A UN SEUL PIXEL**
[72] UNKNOWN, ZZ
[71] GRIBBEN, JEREMY LLOYD, CA
[71] BOATE, ALAN RICHARD, CA
[22] 2017-01-27
[41] 2018-07-27

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[21] **2,956,351**
[13] A1
[51] **Int.Cl. B23Q 3/12 (2006.01)**
[25] EN
[54] **QUICK RELEASE CONNECTOR**
[54] **RACCORD A DEGAGEMENT RAPIDE**
[72] DUMITRU, OCTAV, CA
[71] UNITEK ENTERPRISE CORP., BZ
[22] 2017-01-26
[41] 2018-07-26

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[21] **2,956,371**
[13] A1
[51] **Int.Cl. E21B 44/00 (2006.01) E21B 47/00 (2012.01)**
[25] EN
[54] **COIL TUBING BOTTOM HOLE ASSEMBLY WITH REAL TIME DATA STREAM**
[54] **CONFIGURATION DE TUBAGE SPIRALE DE FOND DE TROU A FLUX DE DONNEES EN TEMPS REEL**
[72] KENNEDY, JEFFREY DOUGLAS MARTIN, CA
[72] GAMROTH, EMMETT DONALD HERBERT, CA
[72] GAMROTH, DARRYL GEORGE HERBERT, CA
[71] TIMBERSTONE TOOLS INC., CA
[22] 2017-01-27
[41] 2018-07-27

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[21] **2,956,636**
[13] A1
[51] **Int.Cl. E05D 11/10 (2006.01) E05D 7/00 (2006.01) E05D 11/00 (2006.01) F16B 7/20 (2006.01) F16C 11/04 (2006.01)**
[25] EN
[54] **HINGE**
[54] **CHARNIERE**
[72] PREY, BRADLEY, US
[71] DOWCO, INC., US
[22] 2017-01-27
[41] 2018-07-23
[30] US (15/412,134) 2017-01-23

[21] **2,956,643**
[13] A1
[51] **Int.Cl. E04D 1/30 (2006.01) E04D 1/12 (2006.01) E04D 1/34 (2006.01) E04D 1/36 (2006.01)**
[25] EN
[54] **SHINGLE PATCH FOR HAIL DAMAGE REPAIR OF ASPHALT SHINGLES AND AN INTEGRAL NAIL/DISK STRUCTURE FOR ELIMINATING EXPOSED ROOF NAILS**
[54] **PIECE DE BARDEAU DESTINEE A LA REPARATION DE BARDEAUX D'ASPHALTE AYANT SUBI DES DOMMAGES DUS A LA GRELE ET STRUCTURE DE CLOU/DISQUE INTEGRALE DESTINEE A L'ELIMINATION DE CLOUS DE TOITURE EXPOSES**
[72] MATHIESON, THOMAS R., US
[71] MATHIESON, THOMAS R., US
[22] 2017-01-27
[41] 2018-07-27

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[21] **2,956,656**
[13] A1
[51] **Int.Cl. B60P 7/06 (2006.01)**
[25] EN
[54] **WOODEN CARGO PROTECTION CORNERS (WITH LOOPS FOR USE WITH AN EXTENSION POLE)**
[54] **COINS DE PROTECTION DE CHARGEMENT EN BOIS (DOTES DE BOUCLES UTILISABLES AVEC UNE TIGE RALLONGEE)**
[72] UNKNOWN, ZZ
[71] BAILEY, CHARLES A., CA
[22] 2017-01-27
[41] 2018-07-27

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[21] **2,956,749**
[13] A1
[51] **Int.Cl. G01N 27/90 (2006.01)**
[25] EN
[54] **FORM-FITTING EDDY CURRENT ARRAY SENSOR AND METHOD OF USE THEREOF**
[54] **CAPTEUR DE RESEAU DE COURANT DE FOUCAULT A ADAPTATION DE FORME ET METHODE D'UTILISATION ASSOCIEE**
[72] SHUMKA, THOMAS, CA
[72] SHUMKA, JASON, CA
[71] GLOBAL INSPECTIONS-NDT, INC., CA
[22] 2017-01-27
[41] 2018-07-27

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[21] **2,971,601**
[13] A1
[51] **Int.Cl. G02B 5/20 (2006.01) G02B 5/18 (2006.01) G02B 6/34 (2006.01)**
[25] EN
[54] **OPTICAL FIBER FILTER OF WIDEBAND DELETERIOUS LIGHT AND USES THEREOF**
[54] **FILTRE A FIBRE OPTIQUE DE LUMIERE DELETERE LARGE BANDE ET UTILISATIONS ASSOCIEES**
[72] BROCHU, GUILLAUME, CA
[72] MORIN, MICHEL, CA
[72] TREPANIER, FRANCOIS, CA
[71] TERAXION INC., CA
[22] 2017-06-23
[41] 2018-07-27
[30] US (62/451,095) 2017-01-27

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[21] **2,973,359**
[13] A1
[51] **Int.Cl. E05F 15/60 (2015.01)**
[25] EN
[54] **DOOR POSITION DETECTION DEVICE FOR ELECTRIC DOOR OPENER**
[54] **DISPOSITIF DE DETECTION DE POSITION DE PORTE DESTINE A UN OUVRE-PORTE ELECTRIQUE**
[72] JIAN, MINGSHAO, CN
[71] FORESEE GARAGE DOORS CO., LTD., CN
[22] 2017-07-14
[41] 2018-07-22
[30] CN (201720091493.3) 2017-01-22

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[21] **2,973,929**
[13] A1
[51] **Int.Cl. F16L 1/024 (2006.01) F16L 1/036 (2006.01) F16L 1/06 (2006.01) F16L 1/09 (2006.01) F16L 58/02 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR FORMING A PIPELINE**
[54] **METHODE ET SYSTEME DE FORMATION D'UN PIPELINE**
[72] CHENG, PAUL PO, CA
[71] CHENG, PAUL PO, CA
[22] 2017-07-18
[41] 2018-07-25
[30] US (62/450,153) 2017-01-25
[30] US (15/495,181) 2017-04-24

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[21] **2,975,129**
[13] A1
[51] **Int.Cl. B66F 11/00 (2006.01) B62D 57/02 (2006.01) B66F 9/06 (2006.01) E21B 15/00 (2006.01) F16M 3/00 (2006.01)**
[25] EN
[54] **LOW PROFILE ROLLER ASSEMBLY**
[54] **CONFIGURATION DE ROULEAU A PROFIL BAS**
[72] SMITH, SHAWN R., US
[72] SMITH, HARLAN B., US
[71] ENTRO INDUSTRIES, INC., US
[22] 2017-08-02
[41] 2018-07-26
[30] US (15/666,149) 2017-08-01
[30] US (62/450,876) 2017-01-26

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[21] **2,976,954**
[13] A1
[51] **Int.Cl. A61G 13/12 (2006.01)**
[25] EN
[54] **SURGICAL MASK POSITIONING SYSTEM**
[54] **SYSTEME DE POSITIONNEMENT DE MASQUE CHIRURGICAL**
[72] LE, PETER, US
[71] LE, PETER, US
[22] 2017-08-21
[41] 2018-07-23
[30] US (15/412,922) 2017-01-23

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[21] **2,977,616**
[13] A1
[51] **Int.Cl. A61G 5/10 (2006.01) A61G 5/02 (2006.01) B62K 3/16 (2006.01) B62M 1/00 (2010.01) B62M 5/00 (2006.01)**
[25] EN
[54] **MOBILE CHAIR APPARATUS COMPRISING FOOT PEDALS**
[54] **APPAREIL DE CHAISE MOBILE COMPORTANT DES PEDALES AU PIED**
[72] SIMONS, KENNETH A., US
[72] GUY, ASHLEY, US
[71] SIMONS, KENNETH A., US
[22] 2017-08-30
[41] 2018-07-26
[30] US (15/681,046) 2017-08-18
[30] US (15/416,544) 2017-01-26

[21] **2,977,847**
[13] A1
[51] **Int.Cl. G06F 19/00 (2018.01) H04L 12/16 (2006.01)**
[25] EN
[54] **AUTOMATED EXTRACTION TOOLS AND THEIR USE IN SOCIAL CONTENT TAGGING SYSTEMS**
[54] **OUTILS D'EXTRACTION AUTOMATISEE ET LEUR UTILISATION DANS LES SYSTEMES D'ETIQUETAGE DE CONTENU SOCIAL**
[72] PAI, NIKHIL, US
[71] HOOTSUITE MEDIA INC., CA
[22] 2017-08-31
[41] 2018-07-27
[30] US (62451135) 2017-01-27

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[21] **2,982,727**
[13] A1
[51] **Int.Cl. A01C 7/20 (2006.01) A01C 5/06 (2006.01) A01C 7/08 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PROVIDING IMPLEMENT-BASED SPEED CONTROL FOR A WORK VEHICLE**
[54] **SYSTEME ET METHODE DE FOURNITURE DE COMMANDE DE VITESSE FONDEE SUR UN ACCESSOIRE DESTINES A UN VEHICULE DE TRAVAIL**
[72] CZAPKA, JASON T., US
[72] MCKEE, KEVIN D., US
[72] SMITH, KEVIN M., US
[72] LONGUA, ROBERT J., US
[72] WENDTE, KEITH W., US
[72] PRICKEL, MARVIN A., US
[71] CNH INDUSTRIAL AMERICA LLC, US
[22] 2017-10-17
[41] 2018-07-26
[30] US (15/416,031) 2017-01-26

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[21] **2,985,241**
[13] A1
[51] **Int.Cl. B65D 33/02 (2006.01) B65F 1/14 (2006.01) E01H 1/00 (2006.01)**
[25] FR
[54] **HORIZONTAL STAKE FOR LEAF BAGS**
[54] **TUTEUR HORIZONTAL POUR LES SACS DE FEUILLES MORTES**
[72] TARDIF, MAXIME M. T., CA
[71] TARDIF, MAXIME M. T., CA
[22] 2017-11-10
[41] 2018-07-23

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[21] **2,985,275**
[13] A1
[51] **Int.Cl. C23C 22/48 (2006.01) C09D 7/63 (2018.01) C09D 5/08 (2006.01) C23F 11/16 (2006.01)**
[25] EN
[54] **CORROSION RESISTANT ADHESIVE SOL-GEL**
[54] **SOL-GEL ADHESIF RESISTANT A LA CORROSION**
[72] SCHUETTE, WAYNIE M., US
[72] KINLEN, PATRICK J., US
[71] THE BOEING COMPANY, US
[22] 2017-11-09
[41] 2018-07-24
[30] US (15/414,150) 2017-01-24

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[21] **2,985,768**
[13] A1
[51] **Int.Cl. B23Q 35/02 (2006.01) B64F 5/10 (2017.01) B23B 35/00 (2006.01) B23B 49/00 (2006.01) B23P 19/04 (2006.01) B23Q 16/00 (2006.01) B25B 11/02 (2006.01) F16B 5/02 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR JOINING STRUCTURES**
[54] **METHODE ET SYSTEME DE JOINTAGE DE STRUCTURES**
[72] CHARLTON, CRAIG A., US
[72] LAKIC, BRANKO, US
[72] HULL, JERALD A., US
[72] GREER, CHRISTOPHER A., US
[72] PRATT, JUSTIN H., US
[71] THE BOEING COMPANY, US
[22] 2017-11-14
[41] 2018-07-25
[30] US (15/415,172) 2017-01-25

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[21] **2,985,918**
[13] A1
[51] **Int.Cl. G01B 17/00 (2006.01) F16B 29/00 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS TO ALIGN THREADED FASTENERS**
[54] **METHODES ET APPAREILS D'ALIGNEMENT DE FIXATIONS FILETEES**
[72] GRAY, EVERETTE DESMOND, US
[71] THE BOEING COMPANY, US
[22] 2017-11-15
[41] 2018-07-25
[30] US (15/415,521) 2017-01-25

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[21] **2,986,720**
[13] A1
[51] **Int.Cl. E04C 2/296 (2006.01) E04C 2/30 (2006.01)**
[25] EN
[54] **INSULATED PANEL ASSEMBLY**
[54] **DISPOSITIF DE PANNEAU ISOLE**
[72] CARLYON, ZEKE, US
[71] MITEK HOLDINGS, INC., US
[22] 2017-11-27
[41] 2018-07-23
[30] US (15/413,031) 2017-01-23

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[21] **2,986,724**
[13] A1
[51] **Int.Cl. F21V 21/14 (2006.01) A63B 63/08 (2006.01) F21S 8/08 (2006.01) F21V 33/00 (2006.01)**
[25] EN
[54] **BASKETBALL LIGHT RAISING AND LOWERING APPARATUS AND METHOD**
[54] **APPAREILL DE LEVAGE ET ABAISSEMENT D'ECLAIRAGE DE PANIER DE BASKETBALL ET METHODE**
[72] BRANGERS, TODD, US
[72] ELPERS, PHILIP, US
[71] INDIAN INDUSTRIES, INC., US
[22] 2017-11-27
[41] 2018-07-25
[30] US (15/414,695) 2017-01-25

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[21] **2,987,171**
[13] A1
[51] **Int.Cl. B32B 3/12 (2006.01) B32B 27/08 (2006.01) B32B 37/04 (2006.01)**
[25] EN
[54] **HONEYCOMB CORE SANDWICH PANELS**
[54] **PANNEAUX SANDWICH A AME ALVEOLEE**
[72] MISHRA, SUVANKAR, US
[72] CHRIS, ROBERT MARK, US
[72] ISHMAEL, MICHAEL D., US
[72] TURNER, RONALD J., US
[71] BELL HELICOPTER TEXTRON INC., US
[22] 2017-11-28
[41] 2018-07-24
[30] US (15/414,181) 2017-01-24

[21] **2,988,558**
[13] A1
[51] **Int.Cl. B64C 25/12 (2006.01) B64C 25/22 (2006.01)**
[25] EN
[54] **SINGLE AXLE, SEMI-LEVERED LANDING GEAR WITH SHORTENING MECHANISM**
[54] **TRAIN D'ATTERRISSAGE A SEMI-LEVIER ET ESSIEU SIMPLE DOTE D'UN MECANISME DE RACCOURCISSEMENT**
[72] COTTET, JUSTIN D., US
[72] MELLOR, MITCHELL, US
[72] DRAKE, MICHAEL L., US
[72] SONNENBURG, GEORGE, US
[71] THE BOEING COMPANY, US
[22] 2017-12-11
[41] 2018-07-25
[30] US (15/415346) 2017-01-25

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[21] **2,988,752**
[13] A1
[51] **Int.Cl. G07C 9/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR TIME-BOUND HOMOGENOUS CONSECUTIVE EVENTS TRIGGERING A PROCEDURE IN AN ACCESS CONTROL HOST SYSTEM**
[54] **SYSTEMES ET METHODES CONCERNANT DES EVENEMENTS CONSECUTIFS HOMOGENES LIES DANS LE TEMPS DECLENCHANT UNE PROCEDURE DANS UN SYSTEME HOTE DE CONTROLE D'ACCES**
[72] GOPALAKRISHNA, RAJESH, US
[71] HONEYWELL INTERNATIONAL INC., US
[22] 2017-12-12
[41] 2018-07-23
[30] US (15/412,168) 2017-01-23

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[21] **2,988,887**
[13] A1
[51] **Int.Cl. B61D 19/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR SECURING RAILCAR DOORS**
[54] **APPAREIL ET METHODE DE FIXATION DE PORTES DE WAGON**
[72] CENCER, ROBERT J., US
[71] TRINITY NORTH AMERICAN FREIGHT CAR, INC., US
[22] 2017-12-14
[41] 2018-07-25
[30] US (15/415,081) 2017-01-25

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[21] **2,988,922**
[13] A1
[51] **Int.Cl. H02K 7/116 (2006.01) B60K 1/00 (2006.01) B60K 11/06 (2006.01) H02K 5/00 (2006.01)**
[25] EN
[54] **ELECTRIC MOTOR AND GEARING ASSEMBLY**
[54] **ENSEMBLE DE MOTEUR ELECTRIQUE ET APPAREILLAGE**
[72] BRANNING, ISAAC D., US
[71] AUBURN GEAR, LLC, US
[22] 2017-12-14
[41] 2018-07-23
[30] US (15/412,369) 2017-01-23

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[21] **2,989,277**
[13] A1
[51] **Int.Cl. G08B 25/14 (2006.01) G08B 17/00 (2006.01) H04L 29/14 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DYNAMIC OUTPUT CONTROL HIERARCHY FOR WIRELESS FIRE SYSTEMS AND FOR FIRE PROTECTION BEFORE AND DURING THE INSTALLATION THEREOF**
[54] **SYSTEMES ET METHODE DE HIERARCHIE DE CONTROLE DE SORTIE DYNAMIQUE DESTINES A DES SYSTEMES INCENDIE SANS FIL ET LA PROTECTION INCENDIE AVANT ET PENDANT L'INSTALLATION DESDITS SYSTEMES**
[72] KRISHNAN, LALU, US
[72] DAMODARAN, ABHILASH, US
[72] E K, VIPINDAS, US
[72] MOHAN, VIGNESH, US
[71] HONEYWELL INTERNATIONAL INC., US
[22] 2017-12-15
[41] 2018-07-27
[30] US (15/417,620) 2017-01-27

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[21] **2,989,280**
[13] A1
[51] **Int.Cl. G06K 9/78 (2006.01) G06F 3/14 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CUSTOMIZING A PERSONALIZED USER INTERFACE USING FACE RECOGNITION**
[54] **SYSTEMES ET METHODES DE PERSONNALISATION D'UNE INTERFACE UTILISATEUR PERSONNALISEE AU MOYEN DE LA RECONNAISSANCE FACIALE**
[72] SHEN, JIEHONG, US
[72] YANG, XIUKUAN, US
[72] LI, PENG, US
[71] HONEYWELL INTERNATIONAL INC., US
[22] 2017-12-15
[41] 2018-07-25
[30] US (15/415,053) 2017-01-25

[21] **2,989,600**
[13] A1
[51] **Int.Cl. G06F 21/00 (2013.01) G06F 21/71 (2013.01)**
[25] EN
[54] **HARDWARE BLOCKCHAIN ACCELERATION**
[54] **ACCELERATION MATERIELLE DE CHAINE DE BLOCS**
[72] VELISSARIOS, JOHN, GB
[72] HYLAND, CALLUM STUART, GB
[72] FREEMAN, LAURENCE RICHARD, GB
[72] FRANCIS, SARAH LOUISE, GB
[72] RETTAROLI, PIERGIORGIO, IT
[72] ACERNESE, ENNIO, IT
[72] DI TUCCI, PASQUALE, IT
[72] GIFUNI, SALVATORE, IT
[71] ACCENTURE GLOBAL SOLUTIONS LIMITED, GB
[22] 2017-12-20
[41] 2018-07-27
[30] EP (17425005.0) 2017-01-27

[21] **2,989,602**
[13] A1
[51] **Int.Cl. B60K 17/28 (2006.01) A01B 59/00 (2006.01)**
[25] EN
[54] **WORK IMPLEMENT PTO SUPPORT ASSEMBLY**
[54] **CONFIGURATION DE SUPPORT DE PRISE DE FORCE D'ACCESSOIRE DE TRAVAIL**
[72] KRAUS, TIMOTHY J., US
[71] DEERE & COMPANY, US
[22] 2017-12-20
[41] 2018-07-25
[30] US (15/414,774) 2017-01-25

[21] **2,990,072**
[13] A1
[51] **Int.Cl. G06F 17/30 (2006.01) G06F 9/46 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROCESSING DATA IN SECURITY SYSTEMS USING PARALLELISM, STATELESS QUERIES, DATA SLICING, OR ASYNCHRONOUS PULL MECHANISMS**
[54] **SYSTEMES ET METHODE DE TRAITEMENT DE DONNEES DANS LES SYSTEMES DE SECURITE AU MOYEN DE PARALLELISME, REQUETES SANS ETAT OU MECANISMES D'EXTRACTION ASYNCHRONE**
[72] PILLAI, GIRISH KRISHNARAJ, US
[71] HONEYWELL INTERNATIONAL INC., US
[22] 2017-12-21
[41] 2018-07-23
[30] US (15/412,257) 2017-01-23

[21] **2,990,074**
[13] A1
[51] **Int.Cl. G06F 11/36 (2006.01)**
[25] EN
[54] **CLOUD CONNECTED AUTOMATED TESTING**
[54] **TEST AUTOMATISE CONNECTE AU NUAGE**
[72] SAGINAW, JONATHAN, US
[72] DARIGO, AUSTIN J., US
[72] STEVENS, ALEXIS M., US
[72] ANDERSON, JOHN C., US
[71] ACCENTURE GLOBAL SERVICES LIMITED, IE
[22] 2017-12-21
[41] 2018-07-23
[30] US (15/412,481) 2017-01-23

[21] **2,990,226**
[13] A1
[51] **Int.Cl. C25B 1/04 (2006.01) B01D 19/00 (2006.01) C25B 9/00 (2006.01) C25B 15/08 (2006.01)**
[25] EN
[54] **COMPOUND GREEN-ENERGY PURIFICATION DEVICE**
[54] **DISPOSITIF DE PURIFICATION ECOLOGIQUE COMPOSE**
[72] HUANG, BO-YU, CN
[72] HUANG, BING-HUA, CN
[71] HUANG, BO-YU, CN
[71] HUANG, BING-HUA, CN
[22] 2017-12-28
[41] 2018-07-24
[30] TW (106102718) 2017-01-24

[21] **2,990,448**
[13] A1
[51] **Int.Cl. A01K 39/01 (2006.01)**
[25] EN
[54] **BIRD FEEDER CABLE LID LOCK AND BIRD FEEDER WITH THE SAME**
[54] **VERROU DE COUVERCLE DE CABLE DE MANGEOIRE D'OISEAUX ET MANGEOIRE D'OISEAUX EQUIPEE DUDIT VERROU**
[72] LUBIC, MARKO K., US
[72] HOFFMAN, ANDREW RYAN, US
[71] WOODSTREAM CORPORATION, US
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[41] 2018-07-24
[30] US (62/449,797) 2017-01-24
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[25] EN
[54] **SYSTEM FOR FOUR COLLABORATIVE ROBOTS AND HUMANS IN A NARROWING WORK ENVELOPE**
[54] **SYSTEME DE QUATRE ROBOTS ET HUMAINS COLLABORATIFS DANS UNE ENVELOPPE DE TRAVAIL RETRECISSANTE**
[72] MILLER, JOHN ERIC, US
[72] MATHIS, DENNIS R., US
[71] THE BOEING COMPANY, US
[22] 2018-01-03
[41] 2018-07-27
[30] US (15/418391) 2017-01-27

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[25] EN
[54] **BELT DRIVE DUAL ROBOT GANTRY**
[54] **SUPPORT MOBILE DE ROBOT DOUBLE A COURROIE D'ENTRAINEMENT**
[72] MILLER, JOHN ERIC, US
[72] MATHIS, DENNIS R., US
[71] THE BOEING COMPANY, US
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[25] EN
[54] **CABLE CARRIER CROSSOVER SUPPLYING FOUR NON-STATIC LOCATIONS**
[54] **TRAVERSE PORTEUSE DE CABLE FOURNISSANT QUATRE EMPLACEMENTS NON STATIQUES**
[72] MILLER, JOHN ERIC, US
[72] MATHIS, DENNIS R., US
[71] THE BOEING COMPANY, US
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[41] 2018-07-27
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[25] EN
[54] **ISOLATED HUMAN WORK PLATFORM FOR STABILIZED POSITIONING OF COLLABORATIVE ROBOTICS**
[54] **PLATEFORME DE TRAVAIL HUMAIN ISOLEE DESTINEE AU POSITIONNEMENT STABILISE D'APPAREIL ROBOTIQUE COLLABORATIF**
[72] MILLER, JOHN ERIC, US
[72] MATHIS, DENNIS R., US
[71] THE BOEING COMPANY, US
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[41] 2018-07-27
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[25] EN
[54] **IMAGING APPARATUS AND OPERATING METHOD**
[54] **APPAREIL D'IMAGERIE ET METHODE D'EXPLOITATION**
[72] PUUSAARI, JARKKO, FI
[71] SPECIM, SPECTRAL IMAGING OY LTD, FI
[22] 2018-01-05
[41] 2018-07-25
[30] EP (17152984.5) 2017-01-25

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[13] A1
[51] **Int.Cl. E03C 1/12 (2006.01) F28F 9/00 (2006.01)**
[25] FR
[54] **HEAT RECOVERY UNIT FOR GRAY WATER EQUIPPED WITH A PROTECTION METHOD AND DEVICE PREVENTING CONTAMINATION OF POTABLE WATER**
[54] **RECUPERATEUR DE CHALEUR POUR EAU GRISE DOTE D'UNE METHODE ET DE DISPOSITIF DE PROTECTION CONTRE LA CONTAMINATION DE L'EAU POTABLE**
[72] VAILLANCOURT, MARIO M. V., CA
[71] VAILLANCOURT, MARIO M. V., CA
[22] 2018-01-08
[41] 2018-07-24

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[51] **Int.Cl. B65H 75/40 (2006.01) B65H 75/38 (2006.01) B65H 75/44 (2006.01)**
[25] EN
[54] **BUCKET REEL DEVICE**
[54] **DISPOSITIF D'ENROULEUR DE CEINTURE**
[72] EDLER, EDWARD M., US
[71] PLEWS, INC., US
[22] 2018-01-08
[41] 2018-07-23
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[51] **Int.Cl. B64D 33/00 (2006.01) B64D 13/00 (2006.01) B64D 15/04 (2006.01) F02C 6/08 (2006.01) F02C 7/14 (2006.01)**
[25] EN
[54] **HEAT EXCHANGER ASSEMBLY FOR ENGINE BLEED AIR**
[54] **CONFIGURATION D'ECHANGEUR THERMIQUE DESTINEE A L'AIR DE PRELEVEMENT DE MOTEUR**
[72] ALECU, DANIEL, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2018-01-09
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[51] **Int.Cl. B65G 21/14 (2006.01) B65G 21/00 (2006.01)**
[25] EN
[54] **TELESCOPIC CONVEYOR SUPPORT ASSEMBLY**
[54] **DISPOSITIF DE SUPPORT DE TRANSPORTEUR TELESCOPIQUE**
[72] BRATTON, TERENCE, GB
[71] TEREX GB LIMITED, GB
[22] 2018-01-09
[41] 2018-07-26
[30] GB (1701335.0) 2017-01-26

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[13] A1
[51] **Int.Cl. F21V 8/00 (2006.01) B60S 5/00 (2006.01) F21V 33/00 (2006.01)**
[25] EN
[54] **ELECTRIC VEHICLE CHARGING HANDLE, LIGHT PIPE THEREFOR, AND ASSOCIATED LIGHT VISIBILITY ENHANCING METHOD**
[54] **POIGNEE DE RECHARGE DE VEHICULE ELECTRIQUE, TUYAU LUMINEUX ET METHODE ASSOCIEE D'AMELIORATION DE LA VISIBILITE DE LA LUMIERE**
[72] ZHANG, XIANZHEN, CN
[72] DU, LILI, CN
[72] ZHANG, HAIDONG, CN
[72] YANG, LIN, CN
[71] EATON CORPORATION, US
[22] 2018-01-10
[41] 2018-07-23
[30] US (15/412261) 2017-01-23

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[51] **Int.Cl. F02B 77/00 (2006.01) F01P 1/06 (2006.01) F02D 41/00 (2006.01) F02D 41/18 (2006.01) F02M 35/10 (2006.01)**
[25] EN
[54] **DEVICE FOR ATTACHING A CONTROL UNIT TO AN INTERNAL COMBUSTION ENGINE**
[54] **DISPOSITIF DE FIXATION D'UN MODULE DE COMMANDE A UN MOTEUR A COMBUSTION INTERNE**
[72] BERNER, ARMIN, DE
[71] MAN TRUCK & BUS AG, DE
[22] 2018-01-11
[41] 2018-07-26
[30] DE (10 2017 000 699.7) 2017-01-26

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[25] EN
[54] **SELF-STICK INSULATION AND METHODS**
[54] **ISOLATION AUTO-COLLANTE ET METHODES**
[72] FELLINGER, THOMAS JOHN, US
[72] ZHENG, GUODONG, US
[72] KULPRATHIPANJA, AMES, US
[72] ASRAR, JAWED, US
[71] JOHNS MANVILLE, US
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[25] EN
[54] **FLEXIBLE JOINTS ASSEMBLY WITH FLEXURE RODS**
[54] **DISPOSITIF DE JOINTS FLEXIBLES A TIGES FLEXIBLES**
[72] TAJIRI, GORDON, US
[72] KENWORTHY, MICHAEL THOMAS, US
[72] JONNALAGADDA, DATTU G. V., US
[72] BURDETTE, JASON LEVI, US
[72] STEWART, LONNIE RAY, JR., US
[71] UNISON INDUSTRIES, LLC, US
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[25] EN
[54] **FLEXIBLE JOINTS ASSEMBLY WITH FLEXURE RODS**
[54] **DISPOSITIF DE JOINTS FLEXIBLES A TIGES FLEXIBLES**
[72] TAJIRI, GORDON, US
[72] KENWORTHY, MICHAEL THOMAS, US
[72] JONNALAGADDA, DATTU G.V., US
[72] BURDETTE, JASON LEVI, US
[72] STEWART, LONNIE RAY, JR., US
[71] UNISON INDUSTRIES, LLC, US
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[51] **Int.Cl. F21V 21/30 (2006.01) F21V 21/14 (2006.01)**
[25] EN
[54] **LUMINAIRE ASSEMBLY AND TILTING MECHANISM FOR THE LUMINAIRE ASSEMBLY**
[54] **ASSEMBLAGE DE LUMINAIRE ET MECANISME D'INCLINAISON DESTINE A L'ASSEMBLAGE DE LUMINAIRE**
[72] KERESE, ESZTER, HU
[72] OCSKO, GABOR, HU
[72] VASARHELYI, TAMAS, HU
[71] GE LIGHTING SOLUTIONS, LLC, US
[22] 2018-01-11
[41] 2018-07-22
[30] US (15/412,042) 2017-01-22

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[13] A1
[51] **Int.Cl. G16H 10/60 (2018.01) G06F 12/16 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR BACKING UP AND MAINTAINING ELECTRONIC MEDICAL RECORDS FOR PERIODS OF TEMPORARY LOSS OF CONNECTIVITY TO AN ELECTRONIC STORAGE FACILITY**
[54] **METHODE ET SYSTEME DE SAUVEGARDE ET MISE A JOUR DE DOSSIERS MEDICAUX ELECTRONIQUES PENDANT DES PERIODES DE PERTE TEMPORAIRE DE CONNECTIVITE A UNE INSTALLATION DE STOCKAGE ELECTRONIQUE**
[72] DRONZEK, JOSHUA J., US
[71] DRONZEK, JOSHUA J., US
[22] 2018-01-15
[41] 2018-07-26
[30] US (62/450,802) 2017-01-26
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[51] **Int.Cl. A01N 1/00 (2006.01) A61B 17/322 (2006.01)**
[25] EN
[54] **HIGH PRESSURE WATER DEBRIDEMENT SYSTEM**
[54] **SYSTEME DE DEBRIDAGE A L'EAU SOUS HAUTE PRESSION**
[72] MEADE, DENIS M., US
[72] GRAHAM, SHANE, US
[72] VON KAENEL, KYLE, US
[71] ALLOSOURCE, US
[22] 2018-01-15
[41] 2018-07-23
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[51] **Int.Cl. F25B 47/02 (2006.01) F25D 21/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR ENHANCED OFF-CYCLE DEFROST**
[54] **METHODE ET APPAREIL DE DEGIVRAGE HORS CYCLE AMELIORE**
[72] GUERRERO GUTIERREZ, JOSE RAMON, US
[72] CHIKKAKALBALU, CHANDRASHEKHARA, US
[71] HEATCRAFT REFRIGERATION PRODUCTS LLC, US
[22] 2018-01-12
[41] 2018-07-24
[30] US (62/449,694) 2017-01-24
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[51] **Int.Cl. G02B 7/182 (2006.01) G02B 7/183 (2006.01) G02B 23/02 (2006.01)**
[25] EN
[54] **MOUNTING OPTICAL ELEMENTS IN OPTICAL SYSTEMS**
[54] **INSTALLATION D'ELEMENTS OPTIQUES SUR DES SYSTEMES OPTIQUES**
[72] CANNON, BRUCE, US
[72] DICKERSON, BRUCE A., US
[71] FLIR SYSTEMS, INC., US
[22] 2018-01-11
[41] 2018-07-25
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[13] A1
[51] **Int.Cl. G08B 13/22 (2006.01) G01S 13/56 (2006.01)**
[25] EN
[54] **APPARATUS AND APPROACH FOR ACCURATE MONITORING OF SPACE**
[54] **APPAREILLAGE ET APPROCHE DE SURVEILLANCE PRECISE DE L'ESPACE**
[72] HUANG, JESSIE, US
[72] TIANFENG, ZHAO, US
[72] XIA, XIAOMIN, US
[72] FU, MA, US
[71] HONEYWELL INTERNATIONAL INC., US
[22] 2018-01-16
[41] 2018-07-25
[30] US (15/414,863) 2017-01-25

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[13] A1
[51] **Int.Cl. A47J 37/01 (2006.01) A21B 5/02 (2006.01)**
[25] EN
[54] **TILTABLE COOKING DEVICE FOR MAKING WAFFLES AND THE LIKE**
[54] **APPAREIL DE CUISSON INCLINABLE DESTINE A LA PRODUCTION DE GAUFRES ET AUTRES SEMBLABLES**
[72] CHEN, DONGMEI, CN
[72] ZHAN, YIXIN, CN
[71] TSANN KUEN (ZHANGZHOU) ENTERPRISE CO., LTD., CN
[22] 2018-01-17
[41] 2018-07-26
[30] CN (201710061626.7) 2017-01-26

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[51] **Int.Cl. C02F 1/463 (2006.01)**
[25] EN
[54] **ELECTROCOAGULATION USING OSCILLATING ELECTRODES**
[54] **ELECTROCOAGULATION AU MOYEN D'ELECTRODES OSCILLANTES**
[72] ROBERTS, EDWARD, CA
[72] PANIKULAM, PAUL, CA
[71] UTI LIMITED PARTNERSHIP, CA
[22] 2018-01-16
[41] 2018-07-27
[30] US (62/451,411) 2017-01-27

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[51] **Int.Cl. F04B 49/10 (2006.01) E21B 47/008 (2012.01) F04B 49/00 (2006.01) G01M 3/00 (2006.01)**
[25] EN
[54] **PUMP FAILURE DIFFERENTIATION SYSTEM**
[54] **SYSTEME DE DIFFERENTIATION DE DEFAILLANCE DE POMPE**
[72] ZHANG, YANCHAI, US
[72] CAI, ZHIJUN, US
[72] DONG, ZHAOXU, US
[72] HU, XUEFEI, US
[71] CATERPILLAR INC., US
[22] 2018-01-18
[41] 2018-07-23
[30] US (15/412,630) 2017-01-23

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[51] **Int.Cl. B01F 7/04 (2006.01) B01F 13/08 (2006.01) B01F 15/00 (2006.01)**
[25] EN
[54] **STIRRER FOR A STIRRER VESSEL**
[54] **AGITATEUR DESTINE A UN RECIPIENT A AGITATEUR**
[72] ZANGL, NICOLE, AT
[72] TRUMMER, ERWIN, AT
[72] MUNZER, KARL, AT
[71] ZETA BIOPHARMA GMBH, AT
[22] 2018-01-17
[41] 2018-07-25
[30] AT (50053/2017) 2017-01-25

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[51] **Int.Cl. F25J 1/02 (2006.01) C10L 3/10 (2006.01) F25B 9/00 (2006.01) F25B 25/00 (2006.01) F25B 43/00 (2006.01)**
[25] EN
[54] **CONTINUOUS MIXED REFRIGERANT OPTIMIZATION FOR THE PRODUCTION OF LIQUEFIED NATURAL GAS (LNG)**
[54] **OPTIMISATION DE REFRIGERANT MELANGE EN CONTINU DESTINE A LA PRODUCTION DE GAZ NATUREL LIQUEFIE (GNL)**
[72] REPASKY, JOHN MICHAEL, US
[72] THIBODEAUX, MATTHEW, US
[72] MAZUMDAR, ANINDRA, US
[71] GE OIL & GAS, LLC, US
[22] 2018-01-18
[41] 2018-07-24
[30] US (62/449,794) 2017-01-24
[30] US (62/472,694) 2017-03-17
[30] US (15/714,812) 2017-09-25

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[13] A1
[51] **Int.Cl. F27D 17/00 (2006.01) B01D 53/56 (2006.01) B01D 53/62 (2006.01) B01D 53/86 (2006.01) F23C 13/00 (2006.01) F23C 13/06 (2006.01) F23J 15/02 (2006.01)**
[25] EN
[54] **PROCESS AND DEVICE FOR THE PURIFICATION OF WASTE GAS**
[54] **PROCEDE ET DISPOSITIF DE PURIFICATION DE GAZ RESIDUAIRE**
[72] BINNINGER, THOMAS, AT
[72] SCHULZE, KAI, AT
[71] CHEMISCH THERMISCHE PROZESSTECHNIK GMBH, AT
[22] 2018-01-17
[41] 2018-07-26
[30] DE (102017101507.8) 2017-01-26

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[13] A1
[51] **Int.Cl. A61L 2/18 (2006.01) A61L 2/24 (2006.01)**
[25] EN
[54] **AUTOMATED DECONTAMINATION OF COMPLEX AREAS**
[54] **DECONTAMINATION AUTOMATISEE DE ZONES COMPLEXES**
[72] PARK, SHAWN HYUNSOO, US
[72] PELTZ, LEORA, US
[72] WALLBURG, ANDREW GERHARD, US
[71] THE BOEING COMPANY, US
[22] 2018-01-17
[41] 2018-07-27
[30] US (US 15/417994) 2017-01-27
[30] NL (NL 2018402) 2017-02-21

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[13] A1
[51] **Int.Cl. A63F 13/52 (2014.01) A63F 13/45 (2014.01) A63F 13/80 (2014.01) G07F 17/32 (2006.01)**
[25] EN
[54] **LIVE ACTION VIDEO GAMES**
[54] **JEUX VIDEO D'ACTION EN DIRECT**
[72] KELLY, ROSS, ZA
[72] PIEL, ARTUR, EE
[71] PRIDEFIELD LIMITED, IM
[22] 2018-01-17
[41] 2018-07-27
[30] GB (1701410) 2017-01-27

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[13] A1
[51] **Int.Cl. H02H 3/04 (2006.01) H01H 71/04 (2006.01) H01H 83/12 (2006.01) H02H 3/24 (2006.01)**
[25] EN
[54] **AUTO-MONITORING CIRCUIT AND CIRCUIT INTERRUPTER INCLUDING THE SAME**
[54] **CIRCUIT D'AUTO-SURVEILLANCE ET INTERRUPTEUR DE CIRCUIT DOTE DUDIT CIRCUIT**
[72] EPEE, VICTOR DOUALLA, US
[71] EATON CORPORATION, US
[22] 2018-01-18
[41] 2018-07-24
[30] US (15/413861) 2017-01-24

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[13] A1
[51] **Int.Cl. G03G 9/08 (2006.01)**
[25] EN
[54] **COLD PRESSURE FIX TONER COMPRISING CRYSTALLINE RESIN AND HIGH AND LOW TG AMORPHOUS POLYESTER**
[54] **ENCRE SECHE FIXANTE A PRESSION A FROID RENFERMANT UNE RESINE CRISTALLINE ET UN POLYESTER AMORPHE A TG HAUT ET BAS**
[72] SACRIPANTE, GUERINO G., CA
[72] WANG, YULIN, CA
[72] HU, NAN-XING, CA
[72] GARDNER, SANDRA J., CA
[72] VEREGIN, RICHARD PHILIP NELSON, CA
[71] XEROX CORPORATION, US
[22] 2018-01-18
[41] 2018-07-24
[30] US (15/414083) 2017-01-24

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[13] A1
[51] **Int.Cl. H05K 3/12 (2006.01) B82Y 30/00 (2011.01) C09D 11/52 (2014.01) H05K 3/22 (2006.01)**
[25] EN
[54] **INTERLAYER PRINTING PROCESS**
[54] **PROCEDE D'IMPRESSION INTERCOUCHE**
[72] CHOPRA, NAVEEN, CA
[72] SMITHSON, CHAD, CA
[72] HALFYARD, KURT, CA
[72] SONG, GAIL, CA
[72] CHRETIEN, MICHELLE, CA
[71] XEROX CORPORATION, US
[22] 2018-01-18
[41] 2018-07-25
[30] US (15/414814) 2017-01-25

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[51] **Int.Cl. B60B 35/02 (2006.01) B62D 61/12 (2006.01)**
[25] EN
[54] **AXLE LIFT MECHANISM**
[54] **MECANISME DE SOULEVEMENT D'ESSIEU**
[72] ROBERTSON, TIMOTHY JAMES, US
[72] DILLON, RYAN, US
[72] PILEGGI, WILLIAM, US
[71] CONSOLIDATED METCO, INC., US
[22] 2018-01-15
[41] 2018-07-25
[30] US (15/415,388) 2017-01-25

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[13] A1
[51] **Int.Cl. F16L 55/30 (2006.01) B60B 3/00 (2006.01) B60B 19/00 (2006.01)**
[25] EN
[54] **PIPE TRANSPORTER TRACTION WHEEL**
[54] **ROUE DE TRACTION DE TRANSPORTEUR DE TUYAUX**
[72] WEAVER, MARK V., US
[72] WEAVER, TODD C., US
[72] REBOZO, THOMAS P., JR., US
[71] WEAREVER INSPECTION PRODUCTS, INC., US
[22] 2018-01-19
[41] 2018-07-25
[30] US (15/814,514) 2017-11-16
[30] US (15/814,613) 2017-11-16
[30] US (62/450,344) 2017-01-25

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[13] A1
[51] **Int.Cl. H05B 3/84 (2006.01) B60J 1/20 (2006.01) B60R 11/04 (2006.01) B60S 1/02 (2006.01)**
[25] EN
[54] **WINDSHIELD HEATING DEVICE FOR ONBOARD CAMERA**
[54] **DISPOSITIF DE CHAUFFAGE DE PARE-BRISE DESTINE A UNE CAMERA EMBARQUEE**
[72] FUTATSUGI, TOMOHIKO, JP
[71] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[22] 2018-01-19
[41] 2018-07-25
[30] JP (2017-011382) 2017-01-25

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[13] A1
[51] **Int.Cl. F04D 29/02 (2006.01) B23K 20/00 (2006.01) F04D 7/06 (2006.01) C22C 9/00 (2006.01) C22C 19/03 (2006.01) C22C 19/05 (2006.01) C22C 38/00 (2006.01)**
[25] EN
[54] **COMPOSITE SUCTION LINERS AND APPLICATIONS THEREOF**
[54] **DOUBLURES DE SUCCION COMPOSITES ET APPLICATIONS ASSOCIEES**
[72] YACOBUCCI, NATHANIEL JAMES, US
[72] BITLER, JONATHAN W., US
[72] PUZZ, TRAVIS E., US
[72] DE WET, DANIEL J., CA
[71] KENNAMETAL INC., US
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[25] EN
[54] **SEEDING FORMULATION FOR WOODY PLANTS AND PRE-TREATMENT OF LAND SURFACES**
[54] **FORMULATION DE SEMENCES DE PLANTS LIGNEUX ET PRETRAITEMENT DE SURFACES TERRESTRES**
[72] BEAUDOIN NADEAU, MARTIN, CA
[72] BLOUIN, DONALD, CA
[72] GRENON, FRANK, CA
[71] VIRIDIS TERRA INNOVATIONS, CA
[22] 2018-01-22
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[25] EN
[54] **POWERED LIQUID SPRAY APPARATUS TO COAT PIPE JOINTS**
[54] **APPAREIL DE PULVERISATEUR LIQUIDE ELECTRIQUE DESTINE A RECOUVRIR DES JOINTS DE TUYAU**
[72] ROBERSON, DENNIS, US
[72] ROLLOW, JEFF, US
[71] PIPELINE COATING SERVICES, LLC, US
[22] 2018-01-22
[41] 2018-07-25
[30] US (62/450,120) 2017-01-25
[30] US (15/659,228) 2017-07-25

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[51] **Int.Cl. B29C 47/06 (2006.01) B29C 47/20 (2006.01) E04H 12/20 (2006.01)**
[25] EN
[54] **GUY GUARD WITH REFLECTIVE MATERIAL AND METHOD OF MAKING SAME**
[54] **PROTEGE-HAUBAN DOTE DE MATERIAU REFLECTEUR ET METHODE DE FABRICATION ASSOCIEE**
[72] DAVIES, JOHN ROBERT, CA
[72] RITCHIE, ROBERT T., CA
[71] DAVIES, JOHN ROBERT, CA
[71] RITCHIE, ROBERT T., CA
[22] 2018-01-22
[41] 2018-07-23
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[51] **Int.Cl. B60R 21/013 (2006.01) B60R 21/16 (2006.01)**
[25] EN
[54] **OCCUPANT PROTECTION DEVICE FOR VEHICLE AND OCCUPANT PROTECTION METHOD FOR VEHICLE**
[54] .
[72] MASE, YUSUKE, JP
[72] HAGIWARA, HISASHI, JP
[72] FUJINAMI, TAKASHI, JP
[71] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[22] 2018-01-22
[41] 2018-07-25
[30] JP (2017-011335) 2017-01-25

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[25] EN
[54] **BASKET CATHETER MADE FROM FLEXIBLE CIRCUIT BOARD WITH MECHANICAL STRENGTHENING**
[54] **CATHETER PANIER FAIT D'UNE CARTE DE CIRCUITS FLEXIBLE ET DOTE RENFORT MECANIQUE**
[72] AUERBACH, SHMUEL, IL
[72] REUVENI, AVI, IL
[72] SHEMESH, TOAM, IL
[72] LEVIN, MICHAEL, IL
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2018-01-22
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[54] **ROTATING STAGE COLLAR**
[54] **COLLIER D'ETAGE PIVOTANT**
[72] OJONG, CONRAD OJONG, US
[72] LE ROUX, HENDRIK SCHALK, US
[72] MAWFORD, NICK, US
[71] TESCO CORPORATION, US
[22] 2018-01-23
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[51] **Int.Cl. E21B 19/06 (2006.01) E21B 19/07 (2006.01)**
[25] EN
[54] **ELEVATOR LINK COMPENSATOR SYSTEMS AND METHODS**
[54] **SYSTEME DE COMPENSATEUR DE BRAS D'ELEVATEUR ET METHODES**
[72] BERGERON, JAMIE, US
[72] LEROUX, HENDRIK SCHALK, US
[71] NABORS DRILLING TECHNOLOGIES USA, INC., US
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[30] US (62/449,970) 2017-01-24
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[25] EN
[54] **ENHANCED MESSAGE COMPOSITION AND MANAGEMENT ON A COMMUNICATION DEVICE**
[54] **GESTION ET COMPOSITION DE MESSAGE AMELIOREES SUR UN DISPOSITIF DE COMMUNICATION**
[72] GARAI, ARKAJYOTI, CA
[72] GEUE, ALAN, CA
[72] KHAN, SHEHRYAR, CA
[71] BLACKBERRY LIMITED, CA
[22] 2018-01-23
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[30] US (15/417,904) 2017-01-27

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[25] EN
[54] **NANOBUBBLE AIDED BITUMEN EXTRACTION FROM OIL SAND**
[54] **EXTRACTION D'HYDROCARBURES PROVENANT DE SABLES BITUMINEUX AU MOYEN DE NANOBULLES**
[72] LONG, JUN, CA
[71] SYNCRUDE CANADA LTD., CA
[22] 2018-01-22
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[51] **Int.Cl. G01N 23/2257 (2018.01) H05H 15/00 (2006.01)**
[25] EN
[54] **A METHOD AND SYSTEM FOR ANALYSIS OF OBJECTS**
[54] **UNE METHODE ET UN SYSTEME D'ANALYSE D'OBJETS**
[72] ANTICI, PATRIZIO, CA
[72] BARBERIO, MARIANNA, IT
[71] INSTITUT NATIONAL DE LA RECHERCHE SCIENTIFIQUE, CA
[71] UNIVERSITA DELLA CALABRIA, IT
[22] 2018-01-23
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[25] EN
[54] **PORTABLE IMAGE PROJECTION SYSTEM AND METHOD**
[54] **METHODE ET SYSTEME PORTATIF DE PROJECTION D'IMAGE**
[72] YAKEL, NORMAN, CA
[72] CASSWELL, CAROL, CA
[71] YAKEL, NORMAN, CA
[71] CASSWELL, CAROL, CA
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[25] FR
[54] **HEAT EXCHANGER**
[54] **ECHANGEUR DE CHALEUR**
[72] LE MER, JOSEPH, FR
[71] SERMETA, FR
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[25] EN
[54] **ANALYSIS METHOD FOR ANALYZING DEFORMATION OF CASTING IN DIE CASTING PROCESS**
[54] **METHODE D'ANALYSE SERVANT A ANALYSER LA DEFORMATION D'UN MOULAGE DANS UN PROCEDE DE MOULAGE SOUS PRESSION**
[72] TSUCHIYA, SHOICHI, JP
[72] IKUTA, HIROYUKI, JP
[71] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
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[54] **SEAL AND SEAL ASSEMBLY FOR A FLUID PRESSURE PULSE GENERATING TOOL**
[54] **JOINT ET DISPOSITIF DE JOINT DESTINE A UN OUTIL DE GENERATION D'IMPULSION DE PRESSION DE FLUIDE**
[72] LEE, GAVIN GAW-WAE, CA
[72] LOGAN, JUSTIN C., CA
[72] LOGAN, AARON W., CA
[71] EVOLUTION ENGINEERING INC., CA
[22] 2018-01-23
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[25] EN
[54] **ADJUSTABLE LENGTH CABLE LOCK AND PACKAGE LOCKING DEVICE, SYSTEM, AND METHOD**
[54] **VERROU DE CABLE A LONGUEUR VARIABLE ET DISPOSITIF DE VERROUILLAGE D'EMBALLAGE, SYSTEME ET METHODE**
[72] EVANS, DENNIS G., CA
[71] EVANS, DENNIS G., CA
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[25] EN
[54] **SLOW COOKER HAVING REMOVABLE CONTAINER WITH HINGED LID**
[54] **MIJOTEUSE COMPORTANT UN CONTENANT AMOVIBLE A COUVERCLE A CHARNIERE**
[72] KRASNE, MARK T., US
[72] YU, XIUJIE, CN
[71] SELECT BRANDS, INC., US
[22] 2018-01-23
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[51] **Int.Cl. E03F 5/04 (2006.01) E03F 1/00 (2006.01)**
[25] EN
[54] **TRENCH DRAIN CONNECTION INTERFACE**
[54] **INTERFACE DE RACCORDEMENT DE DRAIN DE TRANCHEE**
[72] DIAN, LUDOVIT, CA
[71] ZURN INDUSTRIES, LLC, US
[22] 2018-01-24
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[30] US (62/450,858) 2017-01-26

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[51] **Int.Cl. A47L 13/16 (2006.01)**
[25] EN
[54] **WIPE FOR CLEANING BBQ GRILLS**
[54] **LINGETTE DE NETTOYAGE DE GRILLES DE BBQ**
[72] CIRA, PAUL, CA
[71] PROUD GRILL COMPANY LIMITED, CA
[22] 2018-01-24
[41] 2018-07-25
[30] US (62/450,143) 2017-01-25
[30] US (29/591,892) 2017-01-25
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[30] US (29/617,359) 2017-09-13
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[51] **Int.Cl. G01M 15/14 (2006.01) F01D 25/00 (2006.01) F02C 7/00 (2006.01)**
[25] EN
[54] **GAS TURBINE ENGINE ARRANGEMENT**
[54] **CONFIGURATION DE MOTEUR DE TURBINE A GAZ**
[72] KYRITSIS, VASILEIOS, GB
[71] ROLLS-ROYCE PLC, GB
[22] 2018-01-23
[41] 2018-07-24
[30] GB (20170100025) 2017-01-24

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[13] A1
[51] **Int.Cl. B64D 13/06 (2006.01) B64D 13/00 (2006.01)**
[25] EN
[54] **ADVANCED ENVIRONMENTAL CONTROL SYSTEM IN AN INTEGRATED SPLIT PACK ARRANGEMENT WITH TOW BLEED/OUTFLOW HEAT EXCHANGERS**
[54] **SYSTEME DE CONTROLE ENVIRONNEMENTAL AVANCE DANS UNE CONFIGURATION DIVISEE INTEGREE DOTEE D'ECHANGEURS DE CHALEUR DE FLUX SORTANT/EVACUATION**
[72] DEFRANCESCO, GREGORY L., US
[72] ARMY, DONDALD E., US
[71] HAMILTON SUNDSTRAND CORPORATION, US
[22] 2018-01-23
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[13] A1
[51] **Int.Cl. B64D 13/06 (2006.01) B64D 13/00 (2006.01)**
[25] EN
[54] **ADVANCED ENVIRONMENTAL CONTROL SYSTEM IN AN INTEGRATED SPLIT PACK ARRANGEMENT WITH ONE BLEED/OUTFLOW HEAT EXCHANGER**
[54] **SYSTEME DE CONTROLE ENVIRONNEMENTAL AVANCE DANS UNE CONFIGURATION DIVISEE INTEGREE DOTEE D'UN ECHANGEUR DE CHALEUR DE FLUX SORTANT/EVACUATION**
[72] ARMY, DONALD E., US
[72] DEFRANCESCO, GREGORY L., US
[71] HAMILTON SUNDSTRAND CORPORATION, US
[22] 2018-01-23
[41] 2018-07-27
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[51] **Int.Cl. B64D 13/06 (2006.01) B64D 13/00 (2006.01)**
[25] EN
[54] **ADVANCED ENVIRONMENTAL CONTROL SYSTEM IN AN INTEGRATED PACK ARRANGEMENT WITH ONE BLEED/OUTFLOW HEAT EXCHANGER**
[54] **SYSTEME DE CONTROLE ENVIRONNEMENTAL AVANCE DANS UNE CONFIGURATION INTEGREE DOTEE D'UN ECHANGEUR DE CHALEUR DE FLUX SORTANT/EVACUATION**
[72] DEFRANCESCO, GREGORY L., US
[72] ARMY, DONALD E., US
[71] HAMILTON SUNDSTRAND CORPORATION, US
[22] 2018-01-24
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[13] A1
[51] **Int.Cl. A61B 34/10 (2016.01) A61B 34/00 (2016.01) A61B 6/03 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR MEASURING AN X-RAY IMAGE OF AN AREA UNDERGOING MEDICAL EXAMINATION**
[54] **METHODE ET SYSTEME DE MESURE D'UNE IMAGE DE RAYON X D'UNE ZONE SOUMISE A UN EXAMEN MEDICAL**
[72] TRAUTWEIN, FRANK THILO, DE
[72] DREISCHARF, MARCEL, DE
[71] RAYLYTIC GMBH, DE
[22] 2018-01-25
[41] 2018-07-25
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[51] **Int.Cl. A61B 5/0452 (2006.01) A61B 34/10 (2016.01) A61B 5/042 (2006.01) A61B 5/0456 (2006.01) A61B 5/0468 (2006.01) A61B 18/04 (2006.01)**
[25] EN
[54] **A METHOD AND SYSTEM FOR ELIMINATING A BROAD RANGE OF CARDIAC CONDITIONS BY ANALYZING INTRACARDIAC SIGNALS, PROVIDING A DETAILED MAP AND DETERMINING POTENTIAL ABLATION POINTS**
[54] **UNE METHODE ET UN SYSTEME D'ELIMINATION D'UNE VASTE GAMME DE TROUBLES CARDIAQUES PAR ANALYSE DE SIGNAUX INTRACARDIAQUES, DE FOURNITURE D'UNE CARTE DETAILLEE ET DE DETERMINATION DEPOINTS D'ABLATION POTENTIELS**
[72] PAPPONE, CARLO, IT
[72] TURGEMAN, AHARON, IL
[72] POZZI, PAOLI, IT
[72] NATALIZIA, ANDREA, IT
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2018-01-24
[41] 2018-07-25
[30] US (62/450,381) 2017-01-25
[30] US (15/854,492) 2017-12-26

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[13] A1
[51] **Int.Cl. A61B 5/0452 (2006.01) A61B 5/042 (2006.01) A61B 5/0468 (2006.01) A61B 18/04 (2006.01)**
[25] EN
[54] **ANALYZING AND MAPPING ECG SIGNALS AND DETERMINING ABLATION POINTS TO ELIMINATE BRUGADA SYNDROME**
[54] **ANALYSE ET MAPPAGE DE SIGNAUX D'ECG ET DETERMINATION DE POINTS D'ABLATION EN VUE D'ELIMINER LE SYNDROME DE BRUGADA**
[72] PAPPONE, CARLO, IT
[72] TURGEMAN, AHARON, IL
[72] POZZI, PAOLI, IT
[72] NATALIZIA, ANDREA, IT
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2018-01-24
[41] 2018-07-25
[30] US (62/450,388) 2017-01-25
[30] US (15/854,485) 2017-12-26
[30] US (15/874,088) 2018-01-18

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[13] A1
[51] **Int.Cl. F16B 1/00 (2006.01) E04C 5/16 (2006.01) E04C 5/18 (2006.01) F16B 2/00 (2006.01)**
[25] EN
[54] **REBAR CLAMP ASSEMBLY WITH CLIP**
[54] **MECANISME DE SERRAGE DE BARRE D'ARMATURE DOTE D'UNE PINCE**
[72] DIAN, LUDOVIT, CA
[71] ZURN INDUSTRIES, LLC, US
[22] 2018-01-25
[41] 2018-07-26
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[51] **Int.Cl. E03F 1/00 (2006.01) E03F 5/04 (2006.01)**
[25] EN
[54] **TRENCH DRAIN BRIDGE AND CLIP ATTACHMENT FOR THE SAME**
[54] **PONT DE DRAIN DE TRANCHEE ET FIXATION DE PINCE DUDIT PONT**
[72] DIAN, LUDOVIT, CA
[71] ZURN INDUSTRIES, LLC, US
[22] 2018-01-25
[41] 2018-07-26
[30] US (62/450901) 2017-01-26

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[51] **Int.Cl. B26D 7/26 (2006.01)**
[25] EN
[54] **KNIFE ASSEMBLY**
[54] **DISPOSITIF DE COUTEAU**
[72] KOIKE, MASARU, JP
[71] MEINAN MACHINERY WORKS, INC., JP
[22] 2018-01-25
[41] 2018-07-27
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[51] **Int.Cl. A43B 23/02 (2006.01) A43B 1/14 (2006.01) A43B 3/16 (2006.01) A43B 7/32 (2006.01)**
[25] EN
[54] **POLYVINYL CHLORIDE SAFETY BOOTS**
[54] **BOTTES DE SECURITE EN POLYCHLORURE DE VINYLE**
[72] SMITH, STEVEN A., US
[72] TOWEY, JAMES P., US
[72] PETERSEN, ROBERT N., US
[72] MING, WANG SHENG, CN
[71] TINGLEY RUBBER CORPORATION, US
[22] 2018-01-26
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[30] US (62/451,025) 2017-01-26

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[51] **Int.Cl. A43B 3/04 (2006.01)**
[25] EN
[54] **BOOTS WITH GUSSET**
[54] **BOTTES DOTEES D'UN GOUSSET**
[72] TOWEY, JAMES P., US
[72] SMITH, STEVEN A., US
[72] PETERSEN, ROBERT N., US
[71] TINGLEY RUBBER CORPORATION, US
[22] 2018-01-26
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[30] US (62/450,838) 2017-01-26

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[51] **Int.Cl. A43B 13/14 (2006.01) A43B 13/22 (2006.01) C08J 5/00 (2006.01)**
[25] EN
[54] **TREAD WEAR INDICATORS FOR OUTSOLES OF FOOTWEAR**
[54] **INDICATEURS D'USURE DE SEMELLE DESTINES A DES SEMELLES DE CHAUSSURE**
[72] SMITH, STEVEN A., US
[72] PETERSEN, ROBERT N., US
[71] TINGLEY RUBBER CORPORATION, US
[22] 2018-01-26
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[13] A1
[51] **Int.Cl. H01L 23/488 (2006.01) H01L 23/36 (2006.01) H01L 29/20 (2006.01)**
[25] EN
[54] **HIGH POWER GALLIUM NITRIDE DEVICES AND STRUCTURES**
[54] **DISPOSITIFS HAUTE PUISSANCE RENFERMANT DU NITRURE DE GALLIUM ET STRUCTURES**
[72] LI, ZHANMING, CA
[72] FU, YUE, CA
[72] NG, WAI TUNG, CA
[72] LIU, YAN-FEI, CA
[71] LI, ZHANMING, CA
[71] FU, YUE, CA
[71] NG, WAI TUNG, CA
[71] LIU, YAN-FEI, CA
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[41] 2018-07-28
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[13] A1
[51] **Int.Cl. B05C 5/02 (2006.01)**
[25] EN
[54] **ADHESIVE APPLICATION APPARATUS FOR TILES**
[54] **APPAREIL D'APPLICATION D'ADHESIF DESTINE A DES CARREAUX**
[72] HUMANN, SERGEI, CA
[71] HUMANN, SERGEI, CA
[22] 2018-04-17
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[13] A1
[51] **Int.Cl. G01F 15/06 (2006.01)**
[25] EN
[54] **LOW INTERFERENCE SUB-METER AND MONITORING SYSTEM**
[54] **COMPTEUR SECONDAIRE A FAIBLE INTERFERENCE ET SYSTEME DE SURVEILLANCE**
[72] BRAINARD, BRAD, US
[71] BRAINARD, BRAD, US
[22] 2018-04-26
[41] 2018-07-25
[30] US (62/652,344) 2018-04-04

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[13] A1
[51] **Int.Cl. G06K 9/78 (2006.01) G06K 9/20 (2006.01) G08G 1/00 (2006.01) G08G 1/017 (2006.01)**
[25] EN
[54] **APPARATUS, SYSTEMS AND METHODS FOR IMPROVED FACIAL DETECTION AND RECOGNITION IN VEHICLE INSPECTION SECURITY SYSTEMS**
[54] **APPAREIL, SYSTEMES ET METHODES DE DETECTION ET RECONNAISSANCE FACIALES AMELIOREES DANS LES SYSTEMES D'INSPECTION DE SECURITE DE VEHICULE**
[72] ROZPLOCH, ROBERT, US
[72] GARRIDO, DIEGO, US
[72] HANSEN, MARC, US
[71] GATEKEEPER INC., US
[22] 2018-05-04
[41] 2018-07-23
[30] US (15/608,422) 2017-05-30

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[25] EN
[54] **COMPOSITE FLOOR AND MANUFACTURING METHOD THEREOF**
[54] **PLANCHER COMPOSITE ET PROCEDE DE FABRICATION ASSOCIE**
[72] DAI, HUIBIN, CN
[71] ZHEJIANG KINGDOM PLASTICS INDUSTRY CO., LTD., CN
[85] 2017-08-16
[86] 2017-03-17 (PCT/CN2017/077082)
[87] (2976555)
[30] CN (CN 201710050874.1) 2017-01-23

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[51] **Int.Cl. F16H 57/04 (2010.01) B60K 17/16 (2006.01)**
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[54] **AXLE APPARATUS**
[54] **APPAREILLAGE D'ESSIEU**
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[71] KOMATSU LTD., JP
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[54] **LIT D'HOPITAL OSCILLANT DESTINE A PREVENIR L'ESCARRE DE DECUBITUS**
[72] KLEBER, ELIAS TAVARES, BR
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[54] **INDUSTRIAL TWO-LAYER FABRIC**
[54] **TISSU INDUSTRIEL DOUBLE EPAISSEUR**
[72] UEDA, IKUO, JP
[72] HASHIGUCHI, TEPPEI, JP
[72] TAJIMA, AKIRA, JP
[71] NIPPON FILCON CO., LTD, JP
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[51] **Int.Cl. E21B 33/12 (2006.01) E21B 23/06 (2006.01)**
[25] EN
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[54] **OUTIL DE FOND DE TROU ET METHODE D'UTILISATION**
[72] HOU, YANAN, US
[72] DAVIES, EVAN LLOYD, US
[72] AVILA, LUIS MIGUEL, US
[72] VANLUE, DUKE, US
[71] DOWNHOLE TECHNOLOGY, LLC, US
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[54] **METHODES ET COMPOSITIONS POUR UNE IMMUNOTHERAPIE PAR DES LYMPHOCYTES T**
[72] JONES, FRANK R., US
[72] GABITZSCH, ELIZABETH, US
[72] LATCHMAN, YVETTE, US
[72] RICE, ADRIAN, US
[71] ETUBICS CORPORATION, US
[85] 2018-07-06
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[25] EN
[54] **SPIROHEPTANE SALICYLAMIDES AND RELATED COMPOUNDS AS INHIBITORS OF ROCK**
[54] **SALICYLAMIDES DE SPIROHEPTANE ET COMPOSES ASSOCIES UTILISES COMME INHIBITEURS DE ROCK**
[72] SMITH, LEON M., II, US
[72] LADZIATA, VLADIMIR, US
[72] DELUCCA, INDAWATI, US
[72] PINTO, DONALD J.P., US
[72] ORWAT, MICHAEL J., US
[72] DILGER, ANDREW K., US
[72] PABBISETTY, KUMAR BALASHANMUGA, US
[72] YANG, WU, US
[72] SHAW, SCOTT A., US
[72] GLUNZ, PETER W., US
[72] PANDA, MANORANJAN, IN
[71] BRISTOL-MYERS SQUIBB PHARMA COMPANY, US
[85] 2018-07-09
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[25] EN
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[54] **CUISEUR A CHAUFFAGE PAR INDUCTION ET PLATEAU DE GRIL**
[72] MIZUTA, ISAO, JP
[72] OGURI, TAIHEI, JP
[72] AKASHI, TAKAYUKI, JP
[72] YAMANE, SHINICHI, JP
[71] PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO., LTD., JP
[85] 2018-07-09
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[54] **KNIFE GATE VALVE**
[54] **VANNE A GUILLOTINE**
[72] RUELLAND, FREDERIC, CA
[72] SIMARD, CLEMENT, CA
[71] OXO FAB INC., CA
[85] 2018-07-16
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[54] **INFORMATION TRANSACTION INFRASTRUCTURE**
[54] **INFRASTRUCTURE DE TRANSACTION D'INFORMATIONS**
[72] GOLOSHCHUK, VLADIMIR, US
[71] MASTERCARD INTERNATIONAL INCORPORATED, US
[85] 2018-07-16
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[54] **AMELIORATION AUDIO POUR DES HAUT-PARLEURS MONTES SUR LA TETE**
[72] SELDESS, ZACHARY, US
[72] TRACEY, JAMES, US
[72] KRAEMER, ALAN, US
[71] BOOMCLOUD 360, INC., US
[85] 2018-07-17
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[25] EN
[54] **METHOD TO REDUCE MICROBIAL BLOOM IN POULTRY HATCHERY**
[54] **PROCEDE POUR REDUIRE LA PROLIFERATION MICROBIENNE DANS UN COUVOIR A VOLAILLES**
[72] WOLFENDEN, ROSS, US
[72] LUM, JACOB, US
[72] HARGIS, BILLY, US
[72] BIELKE, LISA, US
[72] GRAHAM, LUCAS, US
[71] NOVOZYMES A/S, DK
[71] BOARD OF TRUSTEES OF THE UNIVERSITY OF ARKANSAS, US
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[25] EN
[54] **FUNCTIONALIZED NANOSILICA AS SHALE INHIBITOR IN WATER-BASED FLUIDS**
[54] **NANOSILICE FONCTIONNALISEE EN TANT QU'INHIBITEUR DE GONFLEMENT DE SCHISTE DANS DES FLUIDES A BASE D'EAU**
[72] BOUL, PETER J., US
[72] REDDY, B. RAGHAVA, US
[72] THAEMLITZ, CARL, US
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2018-07-17
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[25] EN
[54] **DOWNHOLE CORROSION, EROSION, SCALE AND DEPOSIT MONITORING SYSTEM**
[54] **SYSTEME DE SURVEILLANCE DE CORROSION, D'EROSION, DE CALAMINE ET DE DEPOT DE FOND**
[72] JOVANCICEVIC, VLADIMIR, US
[72] RAMACHANDRAN, SUNDER, US
[72] MUKHLES, AMRO, SA
[72] SYAFII, IRFAN, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
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[54] **MID-RANGE READER INTERACTIONS**
[54] **INTERACTIONS DE LECTEUR MEDIAL**
[72] JIN, JING, US
[72] BELLENGER, THOMAS, US
[72] AABYE, CHRISTIAN, US
[72] CARROLL, BRYAN, US
[71] VISA INTERNATIONAL SERVICE ASSOCIATION, US
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[25] EN
[54] **HIGH DOSE TREATMENTS FOR ALZHEIMER'S DISEASE**
[54] **TRAITEMENTS A HAUTE DOSE POUR LA MALADIE D'ALZHEIMER**
[72] SMITH, JILLIAN, GB
[72] SMITH, JANICE, GB
[72] KERCHNER, GEOFF, US
[71] GENENTECH, INC., US
[85] 2018-07-17
[86] 2017-01-20 (PCT/US2017/014461)
[87] (WO2017/127764)
[30] US (62/281,140) 2016-01-20
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[51] **Int.Cl. H04W 74/00 (2009.01) H04W 28/08 (2009.01) H04W 74/08 (2009.01)**
[25] EN
[54] **UPLINK SCHEDULING FOR LICENSE ASSISTED ACCESS**
[54] **PLANIFICATION DE LIAISON MONTANTE POUR UN ACCES ASSISTE PAR LICENCE**
[72] DAMNJANOVIC, ALEKSANDAR, US
[72] YERRAMALLI, SRINIVAS, US
[72] GAAL, PETER, US
[72] LUO, TAO, US
[72] CHEN, WANSHI, US
[71] QUALCOMM INCORPORATED, US
[85] 2018-07-17
[86] 2017-01-25 (PCT/US2017/014861)
[87] (WO2017/136199)
[30] US (62/292,127) 2016-02-05
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[25] EN
[54] **REVERSIBLE AMINAL GEL COMPOSITIONS, METHODS, AND USE**
[54] **COMPOSITIONS DE GEL AMINAL REVERSIBLE, PROCEDES, ET UTILISATION**
[72] BOUL, PETER J., US
[72] REDDY, B. RAGHAVA, US
[72] HILFIGER, MATT, US
[72] THAEMLITZ, CARL, US
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2018-07-17
[86] 2017-02-03 (PCT/US2017/016356)
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[30] US (62/290,713) 2016-02-03

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[51] **Int.Cl. A61K 39/395 (2006.01) C07K 16/28 (2006.01) C07K 19/00 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **FABS-IN-TANDEM IMMUNOGLOBULIN AND USES THEREOF**
[54] **TECHNOLOGIE FIT-IMMUNOGLOBULINE ET SES UTILISATIONS**
[72] WU, CHENGBIN, CN
[71] EPIMAB BIOTHERAPEUTICS, INC., CN
[85] 2018-07-17
[86] 2017-02-06 (PCT/US2017/016691)
[87] (WO2017/136820)
[30] CN (PCT/CN2016/073722) 2016-02-06

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[54] **UPLINK PROCEDURES ON A WIRELESS COMMUNICATION MEDIUM**
[54] **PROCEDURES DE LIAISON MONTANTE SUR UN SUPPORT DE COMMUNICATION SANS FIL**
[72] PATEL, CHIRAG SURESHBHAI, US
[72] LUO, TAO, US
[71] QUALCOMM INCORPORATED, US
[85] 2018-07-17
[86] 2017-02-16 (PCT/US2017/018083)
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[30] US (62/296,026) 2016-02-16
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[25] EN
[54] **COMPOSITIONS FOR IMPROVING NITROGEN UTILIZATION IN A RUMINANT**
[54] **COMPOSITIONS PERMETTANT D'AMELIORER L'UTILISATION DE L'AZOTE CHEZ UN RUMINANT**
[72] HAUSSNER, THOMAS, DE
[72] BORCHERS, GEORG, DE
[72] FISCHER, FRANK, DE
[72] GEIST, LUCAS, DE
[72] KOBLER, CHRISTOPH, DE
[72] BORGMANN, CORNELIA, DE
[72] MARTIN-TERESO LOPEZ, JAVIER, NL
[72] PENA CARVALHO DE CARVALHO, ISABELA, NL
[71] EVONIK DEGUSSA GMBH, DE
[85] 2018-07-17
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[51] **Int.Cl. C09K 8/60 (2006.01) C09K 8/70 (2006.01) C09K 8/92 (2006.01)**
[25] EN
[54] **METHODS AND MATERIALS FOR CONTROLLED RELEASE OF DESIRED CHEMISTRIES**
[54] **PROCEDES ET MATERIAUX POUR LA LIBERATION CONTROLEE DE SUBSTANCES CHIMIQUES SOUHAITEES**
[72] JOHNSON, LEAH MARIE, US
[72] ROTHROCK, GINGER DENISON, US
[72] NORTON, CHASITY ANTONINETTE, US
[72] SHEPHERD, SARAH DOROTHY, US
[72] HUFFMAN, NICOLAS DANIEL, US
[72] MECHAM, JEFFREY BRENT, US
[71] RESEARCH TRIANGLE INSTITUTE, US
[85] 2018-07-17
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[51] **Int.Cl. G06F 5/00 (2006.01) G06F 19/00 (2018.01) G06T 15/50 (2011.01) G09G 5/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR INTERACTIVE VIRTUAL LIGHTING OF A VIRTUAL SAMPLE REPRESENTATIVE OF A REAL-LIFE MANUFACTURED OBJECT**
[54] **SYSTEME ET PROCEDE D'ECLAIRAGE VIRTUEL INTERACTIF D'UN ECHANTILLON VIRTUEL REPRESENTATIF D'UN OBJET REEL FABRIQUE**
[72] BENOIT, MATHIEU, CA
[72] LAVOIE, JEAN-FRANCOIS, CA
[71] ARCANE TECHNOLOGIES INC., CA
[85] 2018-07-18
[86] 2017-01-18 (PCT/CA2017/050056)
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[25] EN
[54] **SENSOR FILM FOR ENDOSCOPIC INSTRUMENTS**
[54] **FILM DE CAPTEUR POUR INSTRUMENTS ENDOSCOPIQUES**
[72] BROOKS, ROBERT, CA
[72] WEE, JUSTIN, CA
[72] GERSTLE, JUSTIN, CA
[72] LOOI, THOMAS, CA
[72] DRAKE, JAMES, CA
[71] SENSOR MEDICAL LABORATORIES LTD., CA
[85] 2018-07-18
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[30] US (62/289,120) 2016-01-29

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[51] **Int.Cl. C07F 9/6561 (2006.01) A61K 31/519 (2006.01) A61K 31/661 (2006.01) A61P 35/00 (2006.01) C07D 495/04 (2006.01)**
[25] EN
[54] **NEW AMMONIUM DERIVATIVES, A PROCESS FOR THEIR PREPARATION AND PHARMACEUTICAL COMPOSITIONS CONTAINING THEM**
[54] **NOUVEAUX DERIVES D'AMMONIUM, PROCEDE DE PREPARATION DE CEUX-CI ET COMPOSITIONS PHARMACEUTIQUES LES CONTENANT**
[72] PACZAL, ATTILA, HU
[72] SZLAVIK, ZOLTAN, HU
[72] KOTSCHY, ANDRAS, HU
[72] CHANRION, MAIA, FR
[72] MARAGNO, ANA LETICIA, FR
[72] GENESTE, OLIVIER, FR
[72] DEMARLES, DIDIER, FR
[72] BALINT, BALAZS, HU
[72] SIPOS, SZABOLCS, HU
[71] LES LABORATOIRES SERVIER, FR
[71] VERNALIS (R&D) LIMITED, GB
[85] 2018-07-16
[86] 2016-12-19 (PCT/EP2016/081688)
[87] (WO2017/125224)
[30] FR (16/50411) 2016-01-19

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[51] **Int.Cl. B01D 39/08 (2006.01) B01D 46/02 (2006.01)**
[25] EN
[54] **FILTERING MEDIA MEMBER FOR FILTERING PARTICULATE MATTER IN A FLUID STREAM**
[54] **ELEMENT DE SUPPORT FILTRANT POUR FILTRER UNE MATIERE PARTICULAIRE DANS UN COURANT DE FLUIDE**
[72] SARNA, ZBIGNIEW, CA
[72] LIU, HAIQING, CA
[72] MUTER, JOHN P., CA
[72] WILLIAMS, SHAZAM S., CA
[71] DCL INTERNATIONAL INC., CA
[85] 2018-07-18
[86] 2017-02-08 (PCT/CA2017/050138)
[87] (WO2017/136926)
[30] US (62/292,570) 2016-02-08

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[25] EN
[54] **MOBILE CHARGING STATION AND SYSTEM FOR LOCATING A BALL GAME DEVICE**
[54] **STATION DE CHARGE MOBILE ET SYSTEME DE LOCALISATION D'UN ACCESSOIRE DE JEU DE BALLE**
[72] ZILLES, RENATUS, DE
[72] JURGES, LENNART, DE
[71] ZILLES, RENATUS, DE
[71] JURGES, LENNART, DE
[85] 2018-07-18
[86] 2017-01-20 (PCT/EP2017/000075)
[87] (WO2017/125249)
[30] DE (10 2016 000 694.3) 2016-01-22

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[51] **Int.Cl. B01D 11/02 (2006.01) A23L 27/10 (2016.01) C11B 1/10 (2006.01) C11B 9/02 (2006.01)**
[25] EN
[54] **METHOD FOR OBTAINING VALUE-DETERMINING INGREDIENTS FROM FOODS**
[54] **PROCEDE DE PRODUCTION D'INGREDIENTS VALORISANTS A PARTIR DE PRODUITS ALIMENTAIRES**
[72] LAUX, ROLAND, CH
[72] HUHN, TILO, CH
[71] UNICO-FIRST AG, CH
[71] ZHAW - ZURCHER HOCHSCHULE FUR ANGEWANDTE WISSENSCHAFTEN, CH
[85] 2018-07-18
[86] 2017-01-19 (PCT/CH2017/000006)
[87] (WO2017/124201)
[30] CH (00069/16) 2016-01-19

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[51] **Int.Cl. F24F 11/00 (2018.01)**
[25] EN
[54] **MULTI-CONNECTED SYSTEM AND CONTROL METHOD THEREFOR**
[54] **SYSTEME INTER-RELIE ET SON PROCEDE DE COMMANDE**
[72] BU, QIHUI, CN
[72] XU, YONGFENG, CN
[72] LIANG, BOQI, CN
[72] LI, HONGWEI, CN
[72] DONG, SHILONG, CN
[72] WU, XIAOHONG, CN
[71] GD MIDEA HEATING & VENTILATING EQUIPMENT CO., LTD., CN
[71] MIDEA GROUP CO., LTD., CN
[85] 2018-07-18
[86] 2017-08-28 (PCT/CN2017/099277)
[87] (WO2018/054196)
[30] CN (201610840220.4) 2016-09-21

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[51] **Int.Cl. C07D 237/32 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A CRYSTALLINE FORM OF 5-AMINO-2,3-DIHYDROPHTHALAZINE-1,4-DIONE**
[54] **PROCEDE DE PRODUCTION D'UNE FORM[illegible]ISTALLINE DE 5-AMINO-2[illegible] DIHYDRO[illegible]LAZINE -1,4-DIONE**
[72] MARTIN, THOMAS, DE
[72] BREU, JOSEF, DE
[72] FLEISSNER, JULIANE, DE
[72] BRYSCH, WOLFGANG, DE
[72] VON WEGERER, JORG, DE
[71] METRIOPHARM AG, CH
[85] 2018-07-18
[86] 2017-02-15 (PCT/EP2017/000209)
[87] (WO2017/140422)
[30] EP (16000380.2) 2016-02-16

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[51] **Int.Cl. C07D 237/32 (2006.01) A61K 31/502 (2006.01) A61P 9/10 (2006.01) A61P 37/02 (2006.01)**
[25] EN
[54] **CRYSTALLINE FORM OF 5-AMINO-2,3-DIHYDROPHTHALAZINE-1,4-DIONE**
[54] **FORME CRISTALLINE DE 5-AMINO -2,3-DIHYDROPHTALAZINE-1,4-DIONE**
[72] MARTIN, THOMAS, DE
[72] BREU, JOSEF, DE
[72] FLEISSNER, JULIANE, DE
[72] BRYSCH, WOLFGANG, DE
[72] VON WEGERER, JORG, DE
[71] METRIOPHARM AG, CH
[85] 2018-07-18
[86] 2017-02-15 (PCT/EP2017/000227)
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[30] EP (16000379.4) 2016-02-16

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[51] **Int.Cl. A23L 3/3571 (2006.01) A23K 10/16 (2016.01) A23K 30/00 (2016.01) A23B 4/22 (2006.01) A23B 7/155 (2006.01) A23L 3/3472 (2006.01) A23L 3/3562 (2006.01) A61L 2/16 (2006.01) C12N 1/20 (2006.01)**
[25] EN
[54] **FOOD BIOPRESERVATIVE COMPOSITION AND USES THEREOF**
[54] **COMPOSITION BIOCONSERVATRICE ALIMENTAIRE ET SES UTILISATIONS**
[72] PEREZ ACOSTA, ADRIANA ALEJANDRA, CA
[71] SOLUTIONS BIOLOGIQUES INTELLIGENTS-BIOINTELLIGENZA INC., CA
[85] 2018-07-17
[86] 2017-01-23 (PCT/CA2017/050068)
[87] (WO2017/124197)
[30] CO (16 15040 0000 0000) 2016-01-22

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[13] A1
[51] **Int.Cl. B02C 4/30 (2006.01)**
[25] EN
[54] **WEAR-RESISTANT ELEMENT FOR A COMMINUTING DEVICE**
[54] **ELEMENT ANTI-USURE POUR DISPOSITIF DE FRAGMENTATION**
[72] IRMAK, BARIS, DE
[72] NEITEMEIER, INGO, DE
[72] BANNERT, MARCEL, DE
[71] THYSSENKRUPP INDUSTRIAL SOLUTIONS AG, DE
[71] THYSSENKRUPP AG, DE
[85] 2018-07-18
[86] 2017-01-12 (PCT/EP2017/050558)
[87] (WO2017/125309)
[30] DE (10 2016 200 912.5) 2016-01-22

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[13] A1
[51] **Int.Cl. H01F 27/02 (2006.01) H01F 27/12 (2006.01) H05K 7/20 (2006.01)**
[25] EN
[54] **HOUSING, WHICH CONTAINS A COOLING LIQUID, OF AN ELECTRIC DEVICE**
[54] **BOITIER D'APPAREIL ELECTRIQUE CONTENANT UN LIQUIDE DE REFROIDISSEMENT**
[72] FINDEISEN, JORG, DE
[71] SIEMENS AKTIENGESELLSCHAFT, DE
[85] 2018-07-18
[86] 2017-01-13 (PCT/EP2017/050638)
[87] (WO2017/125317)
[30] DE (10 2016 200 742.4) 2016-01-20

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[51] **Int.Cl. F03D 17/00 (2016.01) F03D 7/02 (2006.01)**
[25] EN
[54] **METHOD FOR DETERMINING AN EQUIVALENT WIND VELOCITY**
[54] **PROCEDE POUR DETERMINER UNE VITESSE DU VENT EQUIVALENTE**
[72] ENGELKEN, SONKE, DE
[71] WOBBEN PROPERTIES GMBH, DE
[85] 2018-07-18
[86] 2017-02-24 (PCT/EP2017/054265)
[87] (WO2017/144631)
[30] DE (10 2016 103 254.9) 2016-02-24

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[13] A1
[51] **Int.Cl. H01F 27/02 (2006.01) F28F 1/00 (2006.01) H01F 27/08 (2006.01)**
[25] EN
[54] **TRANSFORMER WITH TEMPERATURE-DEPENDENT COOLING FUNCTION**
[54] **TRANSFORMATEUR AVEC REFROIDISSEMENT DEPENDANT DE LA TEMPERATURE**
[72] FINDEISEN, JORG, DE
[71] SIEMENS AKTIENGESELLSCHAFT, DE
[85] 2018-07-18
[86] 2017-01-18 (PCT/EP2017/050933)
[87] (WO2017/125407)
[30] DE (10 2016 200 744.0) 2016-01-20

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[13] A1
[51] **Int.Cl. A24F 47/00 (2006.01)**
[25] EN
[54] **AEROSOL GENERATING SYSTEM WITH SEPARATE CAPSULE AND VAPORIZING UNIT**
[54] **SYSTEME DE GENERATION D'AEROSOL A UNITE DE VAPORISATION ET CAPSULE SEPAREES**
[72] FORCE, ERIC, CH
[71] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2018-07-18
[86] 2017-02-24 (PCT/EP2017/054418)
[87] (WO2017/167513)
[30] EP (16163362.3) 2016-03-31

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[51] **Int.Cl. A24F 15/18 (2006.01) A24F 47/00 (2006.01)**
[25] EN
[54] **PERSONAL CHARGING CASE FOR ELECTRONIC VAPING DEVICE**
[54] **BOITIER DE CHARGEMENT PERSONNEL POUR DISPOSITIF DE VAPOTAGE ELECTRONIQUE**
[72] YERKIC-HUSEJNOVIC, BERINA, US
[72] BACHE, TERRY, US
[72] HAWES, ERIC, US
[72] SCHIFF, DAVID, US
[72] MITCHELL, EDWARD, US
[72] PHELAN, CHRIS, US
[72] ZERWECK, JASON, US
[72] GATTA, TONY, US
[71] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2018-07-18
[86] 2017-03-10 (PCT/EP2017/055682)
[87] (WO2017/153577)
[30] US (15/067,323) 2016-03-11

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[13] A1
[51] **Int.Cl. G08B 13/191 (2006.01)**
[25] EN
[54] **OCCUPANCY SENSING SYSTEM AND SENSING METHOD**
[54] **SYSTEME DE DETECTION ET PROCEDE DE DETECTION D'OCCUPATION**
[72] TEN KATE, WARNER RUDOLPH THEOPHILE, NL
[72] BULUT, MURTAZA, NL
[72] LENSSEN, KARS-MICHIEL HUBERT, NL
[71] KONINKLIJKE PHILIPS N.V., NL
[85] 2018-07-18
[86] 2017-01-19 (PCT/EP2017/051116)
[87] (WO2017/125512)
[30] EP (16151984.8) 2016-01-20

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[13] A1
[51] **Int.Cl. A24F 47/00 (2006.01)**
[25] EN
[54] **E-VAPING DEVICE CARTRIDGE WITH INTERNAL CONDUCTIVE ELEMENT**
[54] **CARTOUCHE DE DISPOSITIF DE VAPORISATION ELECTRONIQUE DOTEE D'UN ELEMENT CONDUCTEUR INTERNE**
[72] SMITH, BARRY S., US
[72] CADIEUX, ED, US
[72] COBLER, PATRICK, US
[71] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2018-07-18
[86] 2017-03-10 (PCT/EP2017/055685)
[87] (WO2017/153579)
[30] US (15/067,537) 2016-03-11

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[51] **Int.Cl. A61K 6/087 (2006.01) A61K 6/00 (2006.01) A61K 6/083 (2006.01)**
[25] EN
[54] **DENTAL COMPOSITION**
[54] **COMPOSITION DENTAIRE**
[72] KLEE, JOACHIM E., DE
[72] MAIER, MAXIMILIAN, DE
[72] FIK, CHRISTOPH P., CH
[72] LALEVEE, JACQUES, FR
[72] FOUASSIER, JEAN PIERRE, FR
[72] MORLET-SAVARY, FABRICE, FR
[72] DIETLIN, CELINE, FR
[72] BOUZRATI-ZERELLI, MARIEM, FR
[71] DENTSPLY DETREY GMBH, DE
[85] 2018-07-18
[86] 2017-04-07 (PCT/EP2017/058452)
[87] (WO2017/178383)
[30] EP (16164674.0) 2016-04-11

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[51] **Int.Cl. B60B 37/10 (2006.01) A63B 55/60 (2015.01) F16B 45/02 (2006.01)**
[25] EN
[54] **ROTATIONAL SLIDING BEARING**
[54] **PALIER LISSE ROTATIF**
[72] ZIKELI, STEFAN, AT
[72] RAUCH, ERNST, AT
[71] AUROTEC GMBH, AT
[85] 2018-07-18
[86] 2017-01-20 (PCT/EP2017/051129)
[87] (WO2017/125520)
[30] EP (16152114.1) 2016-01-20

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[51] **Int.Cl. C08F 12/26 (2006.01) C07F 7/10 (2006.01) C08F 212/14 (2006.01) C08F 236/10 (2006.01) C08L 9/06 (2006.01)**
[25] EN
[54] **[BIS(TRIHYDROCARBYLSILYL)AMINOSILYL]-FUNCTIONALIZED STYRENE AND A METHOD FOR ITS PREPARATION**
[54] **STYRENE A FONCTIONNALITE [BIS(TRIHYDROCARBYLSILYL)AMINOSILYLE] ET PROCEDE POUR SA PREPARATION**
[72] KOWNACKI, IRENEUSZ, PL
[72] JANOWSKI, BARTLOMIEJ, PL
[72] ROGOZA, JAROSLAW, PL
[72] MACIEJEWSKI, HIERONIM, PL
[72] SZYMANSKA, ANNA, PL
[71] SYNTHOS S.A., PL
[71] FUNDACJA UNIWERSYTETU IM. ADAMA MICKIEWICZA W POZNANIU, PL
[85] 2018-07-18
[86] 2017-10-04 (PCT/EP2017/075251)
[87] (WO2018/065486)
[30] EP (16461559.3) 2016-10-06

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[13] A1
[51] **Int.Cl. B07C 5/342 (2006.01) B65G 37/02 (2006.01)**
[25] EN
[54] **SYSTEM FOR PROCESSING FRUIT OR VEGETABLE PRODUCTS OF THE TYPE OF BLUEBERRIES AND THE LIKE**
[54] **SYSTEME POUR TRANSFORMER DES PRODUITS A BASE DE FRUITS OU LEGUMES DU TYPE MYRTILLES ET ANALOGUES**
[72] BENEDETTI, LUCA, IT
[71] UNITEC S.P.A., IT
[85] 2018-07-17
[86] 2017-01-19 (PCT/IB2017/050281)
[87] (WO2017/125872)
[30] IT (102016000004980) 2016-01-20

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[51] **Int.Cl. C08F 12/26 (2006.01) B60C 1/00 (2006.01) C08F 212/14 (2006.01) C08F 236/10 (2006.01) C08F 297/04 (2006.01) C08L 9/06 (2006.01)**
[25] EN
[54] **ELASTOMERIC COPOLYMERS BASED ON [BIS(TRIHYDROCARBYLSILYL)AMINOSILYL]-FUNCTIONALIZED STYRENE AND THEIR USE IN THE PREPARATION OF RUBBERS**
[54] **COPOLYMERES ELASTOMERES A BASE DE STYRENE FONCTIONNALISE PAR [BIS(TRIHYDROCARBYLSILYL)AMINOSILYLE] ET LEUR UTILISATION DANS LA PREPARATION DE CAOUTCHOUCS**
[72] JANOWSKI, BARTLOMIEJ, PL
[72] KOZAK, RADOSLAW, PL
[72] ROBAK, BARBARA, PL
[72] ROGOZA, JAROSLAW, PL
[72] WALENIA, MALGORZATA, PL
[72] WEDA, PAWEL, PL
[71] SYNTHOS S.A., PL
[85] 2018-07-18
[86] 2017-10-04 (PCT/EP2017/075262)
[87] (WO2018/065494)
[30] EP (16461560.1) 2016-10-06

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[51] **Int.Cl. B65G 17/24 (2006.01) B65G 17/32 (2006.01) B65G 47/24 (2006.01)**
[25] EN
[54] **DISCRETE CONVEYANCE UNIT, FOR BLUEBERRIES AND SIMILAR FRUIT OR VEGETABLE PRODUCTS**
[54] **UNITE DE TRANSPORT INDIVIDUEL, POUR MYRTILLES ET PRODUITS A BASE DE FRUITS OU LEGUMES SIMILAIRES**
[72] BENEDETTI, LUCA, IT
[71] UNITEC S.P.A., IT
[85] 2018-07-17
[86] 2017-01-19 (PCT/IB2017/050284)
[87] (WO2017/125873)
[30] IT (102016000004963) 2016-01-20

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[51] **Int.Cl. C11D 9/02 (2006.01) C11D 13/18 (2006.01)**
[25] EN
[54] **FATTY ACID SOAP BARS PREPARED FROM OIL STOCK OF LOW IV COMPRISING POTASSIUM SOAP**
[54] **SAVONNETTES D'ACIDE GRAS PREPAREES A PARTIR D'UNE RESERVE D'HUILE DE FAIBLE INDICE D'IODE COMPRENANT DU SAVON DE POTASSIUM**
[72] ASTOLFI, RAFAEL, BR
[72] LEOPOLDINO, SERGIO ROBERTO, BR
[72] OURA, ENIO MITSUKI, BR
[72] SHAFER, GEORGIA L, US
[72] YAROVOY, YURIY KONSTANTINOVICH, US
[71] UNILEVER PLC, GB
[85] 2018-07-16
[86] 2017-01-19 (PCT/EP2017/051118)
[87] (WO2017/129472)
[30] EP (16152824.5) 2016-01-26

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[13] A1
[51] **Int.Cl. C07K 16/24 (2006.01)**
[25] EN
[54] **ANTI-TNF.ALPHA.-ANTIBODIES AND FUNCTIONAL FRAGMENTS THEREOF**
[54] **ANTICORPS ANTI-TNF-.ALPHA. ET FRAGMENTS FONCTIONNELS DESDITS ANTICORPS**
[72] GUNDE, TEA, CH
[72] MEYER, SEBASTIAN, CH
[72] FURRER, ESTHER MARIA, CH
[71] TILLOTTS PHARMA AG, CH
[85] 2018-07-17
[86] 2017-03-16 (PCT/EP2017/056237)
[87] (WO2017/158092)
[30] EP (16160907.8) 2016-03-17

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[13] A1
[51] **Int.Cl. B21D 22/26 (2006.01) B21D 24/00 (2006.01)**
[25] EN
[54] **PRESS-MOLDED ARTICLE MANUFACTURING METHOD AND PRESS APPARATUS**
[54] **PROCEDE DE FABRICATION D'UN ARTICLE MOULE A LA PRESSE, ET APPAREIL DE PRESSE**
[72] SUZUKI, TOSHIYA, JP
[72] NAKAZAWA, YOSHIAKI, JP
[72] NAKATA, MASAHIRO, JP
[71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
[85] 2018-07-17
[86] 2017-01-19 (PCT/JP2017/001785)
[87] (WO2017/126619)
[30] JP (2016-009530) 2016-01-21

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[51] **Int.Cl. C07K 16/24 (2006.01)**
[25] EN
[54] **ANTI-TNF.ALPHA.-ANTIBODIES AND FUNCTIONAL FRAGMENTS THEREOF**
[54] **ANTICORPS ANTI-TNF-.ALPHA. ET FRAGMENTS FONCTIONNELS DESDITS ANTICORPS**
[72] GUNDE, TEA, CH
[72] MEYER, SEBASTIAN, CH
[72] FURRER, ESTHER MARIA, CH
[71] TILLOTTS PHARMA AG, CH
[85] 2018-07-17
[86] 2017-03-16 (PCT/EP2017/056246)
[87] (WO2017/158097)
[30] EP (16160918.5) 2016-03-17

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[13] A1
[51] **Int.Cl. G01N 21/85 (2006.01)**
[25] EN
[54] **INSPECTION APPARATUS**
[54] **APPAREIL D'INSPECTION**
[72] DEEFHOLTS, BENEDICT, GB
[72] KELF, TIMOTHY, GB
[71] BUHLER SORTEX LTD, GB
[85] 2018-07-18
[86] 2017-01-23 (PCT/EP2017/051342)
[87] (WO2017/125609)
[30] EP (16152490.5) 2016-01-22

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[13] A1
[51] **Int.Cl. C12N 1/20 (2006.01) A01N 63/00 (2006.01) A01N 63/02 (2006.01)**
[25] EN
[54] **AGRICULTURALLY BENEFICIAL MICROBES, MICROBIAL COMPOSITIONS, AND CONSORTIA**
[54] **MICROBES BENEFIQUES POUR L'AGRICULTURE, COMPOSITIONS MICROBIENNES ET CONSORTIUMS**
[72] WIGLEY, PETER, NZ
[72] TURNER, SUSAN, US
[72] WILLIAMS, THOMAS, US
[72] WILK, DEBORAH, US
[72] ROBERTS, KELLY, US
[72] HYMUS, GRAHAM, US
[71] BIOCONSORTIA, INC., US
[71] WIGLEY, PETER, NZ
[71] WILLIAMS, THOMAS, US
[71] TURNER, SUSAN, US
[71] WILK, DEBORAH, US
[71] ROBERTS, KELLY, US
[71] HYMUS, GRAHAM, US
[85] 2018-07-17
[86] 2017-01-19 (PCT/US2017/014119)
[87] (WO2017/127535)
[30] US (62/280,508) 2016-01-19

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[13] A1
[51] **Int.Cl. E21B 43/08 (2006.01) E21B 43/10 (2006.01)**
[25] EN
[54] **DOWNHOLE COMPLETION SYSTEM**
[54] **SYSTEME DE COMPLETION DE FOND**
[72] KUMAR, SATISH, DK
[71] WELLTEC A/S, DK
[85] 2018-07-18
[86] 2017-01-31 (PCT/EP2017/051967)
[87] (WO2017/134022)
[30] EP (16153705.5) 2016-02-01
[30] EP (16159378.5) 2016-03-09

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[13] A1
[51] **Int.Cl. C05C 3/00 (2006.01) C05C 5/04 (2006.01) C05F 7/00 (2006.01) C05F 9/04 (2006.01)**
[25] EN
[54] **METHOD OF PRODUCING A FERTILISER COMPOSITION AND FERTILISER COMPOSITION PRODUCED THEREBY**
[54] **PROCEDE DE PRODUCTION D'UNE COMPOSITION D'ENGRAIS ET COMPOSITION D'ENGRAIS AINSI PRODUITE**
[72] HAMMOND, PETER, GB
[71] CCM TECHNOLOGIES LIMITED, GB
[85] 2018-07-18
[86] 2017-01-05 (PCT/GB2017/050015)
[87] (WO2017/129941)
[30] GB (1601470.6) 2016-01-26

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[13] A1
[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **ANNULOPLASTY IMPLANT**
[54] **IMPLANT D'ANNULOPLASTIE**
[72] O'CARROLL, GER, IE
[72] PUGH, MARK, IE
[72] MORAN, ADRIAN, IE
[72] XIE, CHEN, IE
[71] MEDTENTIA INTERNATIONAL LTD OY, FI
[85] 2018-07-18
[86] 2016-10-13 (PCT/EP2016/074613)
[87] (WO2017/125170)
[30] US (62/281,751) 2016-01-22

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[51] **Int.Cl. G01D 5/353 (2006.01)**
[25] EN
[54] **DISTRIBUTED OPTICAL FIBRE SENSORS**
[54] **CAPTEURS A FIBRES OPTIQUES REPARTIES**
[72] STEEL, ADRIAN, GB
[72] HANDEREK, VINCENT, GB
[71] FOTECH SOLUTIONS LIMITED, GB
[85] 2018-07-18
[86] 2017-01-13 (PCT/GB2017/050083)
[87] (WO2017/125717)
[30] GB (1601060.5) 2016-01-20

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[13] A1
[51] **Int.Cl. G01M 11/02 (2006.01)**
[25] EN
[54] **APPARATUS, SYSTEM AND METHOD OF DETERMINING ONE OR MORE OPTICAL PARAMETERS OF A LENS**
[54] **APPAREIL, SYSTEME ET PROCEDE DE DETERMINATION D'UN OU DE PLUSIEURS PARAMETRES OPTIQUES D'UN VERRE**
[illegible]MON, OFER, IL
[72] LEVY, SHAHAR, IL
[72] ZLOTNIK, ALEXANDER, IL
[72] AVIV, MAYA, IL
[71] 6 OVER 6 VISION LTD., IL
[85] 2018-07-18
[86] 2017-01-23 (PCT/IB2017/050338)
[87] (WO2017/125902)
[30] US (62/286,330) 2016-01-23

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[13] A1
[51] **Int.Cl. G06T 1/00 (2006.01) G06T 3/00 (2006.01) G06T 5/50 (2006.01)**
[25] EN
[54] **EVALUATING AND REDUCING MYOPIAGENIC EFFECTS OF ELECTRONIC DISPLAYS**
[54] **EVALUATION ET REDUCTION DES EFFETS MYOPIAGENIQUES D'AFFICHAGES ELECTRONIQUES**
[72] FERTIK, MICHAEL BENJAMIN SELKOWE, US
[72] CHALBERG, THOMAS W., JR., US
[71] WAVESHIFT LLC, US
[85] 2018-07-18
[86] 2017-01-18 (PCT/US2017/013990)
[87] (WO2017/127457)
[30] US (62/279,954) 2016-01-18

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[13] A1
[51] **Int.Cl. B65D 19/42 (2006.01) B60B 33/00 (2006.01) B62B 3/16 (2006.01) B62B 5/00 (2006.01) B65D 19/44 (2006.01)**
[25] EN
[54] **DOLLY**
[54] **CHARIOT**
[72] TAKYAR, SANJIV, GB
[72] WESSON, KARL MICHAEL, GB
[72] COPE, ANDY, BE
[71] CHEP TECHNOLOGY PTY LIMITED, AU
[85] 2018-07-18
[86] 2017-01-30 (PCT/IB2017/050475)
[87] (WO2017/130167)
[30] GB (1601616.4) 2016-01-28
[30] GB (1601705.5) 2016-01-29
[30] GB (1615479.1) 2016-09-12

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[51] **Int.Cl. B29C 45/43 (2006.01) A61B 34/30 (2016.01) A61B 1/008 (2006.01) B25J 9/00 (2006.01) B25J 15/00 (2006.01) B25J 18/06 (2006.01)**
[25] EN
[54] **SOFT ROBOTIC ACTUATORS AND GRIPPERS**
[54] **PINCES ET ACTIONNEURS ROBOTISES INTELLIGENTS**
[72] GALLOWAY, KEVIN C., US
[72] WOOD, ROBERT J., US
[72] BECKER, KAITLYN, US
[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
[85] 2018-07-18
[86] 2017-01-19 (PCT/US2017/014054)
[87] (WO2017/127497)
[30] US (62/280,401) 2016-01-19

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[13] A1
[51] **Int.Cl. A61M 1/00 (2006.01)**
[25] EN
[54] **SAMPLE CASSETTE FOR COLLECTING TISSUE SAMPLES FROM A FLUID STREAM, THE CASSETTE INCLUDING PLURAL CATCH TRAYS FOR RETAINING PLURAL SAMPLES**
[54] **CASSETTE D'ECHANTILLON POUR COLLECTER DES ECHANTILLONS DE TISSU D'UN FLUX DE FLUIDE, CASSETTE COMPRENANT PLUSIEURS PLATEAUX DE COLLECTE POUR RETENIR PLUSIEURS ECHANTILLONS**
[72] PETERSON, MICHAEL, US
[72] GAMHEWAGE, CHAMARA, US
[72] NOLLAR, ANDREW, US
[72] REASONER, STEPHEN J., US
[71] STRYKER CORPORATION, US
[85] 2018-07-18
[86] 2017-01-19 (PCT/US2017/014128)
[87] (WO2017/127541)
[30] US (62/281,250) 2016-01-21

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[51] **Int.Cl. G05D 1/04 (2006.01) G06Q 30/06 (2012.01) G08B 13/00 (2006.01) G08B 25/00 (2006.01) G08B 29/00 (2006.01)**
[25] EN
[54] **DRONE CONTROL DEVICE**
[54] **DISPOSITIF DE COMMANDE DE DRONE**
[72] REZVANI, BABAK, US
[71] ALARM.COM INCORPORATED, US
[85] 2018-07-18
[86] 2017-01-19 (PCT/US2017/014045)
[87] (WO2017/127491)
[30] US (62/280,928) 2016-01-20
[30] US (15/402,312) 2017-01-10

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[25] EN
[54] **SECURE VIDEO VISITATION SYSTEM**
[54] **SYSTEME DE VISITE VIDEO SECURISE**
[72] HODGE, STEPHEN L., US
[72] BAMBOCCI, ANTHONY, US
[71] GLOBAL TEL*LINK CORPORATION, US
[85] 2018-07-18
[86] 2017-01-19 (PCT/US2017/014129)
[87] (WO2017/127542)
[30] US (15/002,073) 2016-01-20

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[51] **Int.Cl. A61K 31/337 (2006.01) A61K 31/343 (2006.01) A61K 31/7068 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **METHODS FOR TREATING CANCER**
[54] **METHODES DE TRAITEMENT DU CANCER**
[72] LI, CHIANG J., US
[72] BORODYANSKY, LAURA, US
[71] BOSTON BIOMEDICAL, INC., US
[85] 2018-07-18
[86] 2017-01-19 (PCT/US2017/014163)
[87] (WO2017/132049)
[30] US (62/281,004) 2016-01-20

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[51] **Int.Cl. G06Q 10/06 (2012.01) G06Q 30/02 (2012.01) G06Q 30/06 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CROWDSOURCING TECHNOLOGY PROJECTS**
[54] **SYSTEMES ET PROCEDES D'EXTERNALISATION OUVERTE DE PROJETS DE TECHNOLOGIE**
[72] SAROSH, SAHIL, US
[71] CROWDPLAT, INC., US
[85] 2018-07-18
[86] 2016-01-20 (PCT/US2016/014172)
[87] (WO2016/118655)
[30] US (62/106,131) 2015-01-21

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[51] **Int.Cl. C09J 133/08 (2006.01) C09D 133/06 (2006.01) C09K 3/10 (2006.01)**
[25] EN
[54] **REMOVABLE, AQUEOUS-BASED COMPOSITIONS**
[54] **COMPOSITIONS AMOVIBLES A BASE AQUEUSE**
[72] GREGG, KRISTIN MIHALCIK, US
[72] CHRONISTER, MICHAEL, US
[71] DAP PRODUCTS INC., US
[85] 2018-07-18
[86] 2017-01-09 (PCT/US2017/012733)
[87] (WO2017/139052)
[30] US (62/293,363) 2016-02-10
[30] US (15/251,864) 2016-08-30

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[25] EN
[54] **SYSTEMS AND METHODS FOR VESTIBULAR REHABILITATION**
[54] **SYSTEMES ET PROCEDES POUR REEDUCATION VESTIBULAIRE**
[72] CHRISTY, JENNIFER, US
[71] SOUTHERN RESEARCH INSTITUTE, US
[71] THE UAB RESEARCH FOUNDATION, US
[85] 2018-07-18
[86] 2017-01-20 (PCT/US2017/014227)
[87] (WO2017/127606)
[30] US (62/281,861) 2016-01-22

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[51] **Int.Cl. H04W 56/00 (2009.01) H04W 4/00 (2018.01)**
[25] EN
[54] **A SOURCE DEVICE BROADCASTS SYNCHRONIZATION INFORMATION ASSOCIATED WITH A BLUETOOTH ISOCHRONOUS CHANNEL**
[54] **DIFFUSION PAR UN DISPOSITIF SOURCE D'INFORMATIONS DE SYNCHRONISATION ASSOCIEES A UN CANAL ISOCHRONE BLUETOOTH**
[72] BATRA, MAYANK, US
[72] HEYDON, ROBIN, US
[71] QUALCOMM INCORPORATED, US
[85] 2018-07-18
[86] 2017-01-13 (PCT/US2017/013334)
[87] (WO2017/146829)
[30] US (62/299,524) 2016-02-24
[30] US (15/255,313) 2016-09-02

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[25] EN
[54] **SYSTEMS AND METHODS OF DYNAMICALLY PROVIDING INFORMATION AT DETECTION OF EXIT INTENT ON A MOBILE COMPUTING DEVICE**
[54] **SYSTEMES ET PROCEDES DE FOURNITURE DYNAMIQUE D'INFORMATIONS LORS DE LA DETECTION D'UNE INTENTION DE QUITTER UNE PAGE SUR UN DISPOSITIF INFORMATIQUE MOBILE**
[72] URBAN, RYAN JOSHUA, US
[72] WU, BING, US
[72] RUBIN, BENZION GRIBETZ, US
[72] WEST, JOSEPH, US
[72] ABDULZADE, NAMIK, US
[71] BOUNCE EXCHANGE, INC., US
[85] 2018-07-18
[86] 2017-01-20 (PCT/US2017/014230)
[87] (WO2017/127609)
[30] US (62/281,407) 2016-01-21
[30] US (15/410,810) 2017-01-20

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[51] **Int.Cl. A47C 19/00 (2006.01) A47C 19/02 (2006.01) A47C 23/06 (2006.01)**
[25] EN
[54] **PLATFORM HOTEL BED FRAME**
[54] **CADRE DE LIT PLATEFORME D'HOTEL**
[72] POLEVOY, RICHARD S., US
[72] CARLSON, PAUL E., US
[72] NAAS, ROBERT L., US
[72] KONIECZNY, MICHAEL W., US
[72] WERNER, KURT R., US
[72] RYAN, HOWARD SCOTT, US
[71] FINGER LAKES INTELLECTUAL PROPERTY, LLC, US
[85] 2018-07-18
[86] 2017-01-18 (PCT/US2017/013851)
[87] (WO2017/127381)
[30] US (62/280,223) 2016-01-19

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[51] **Int.Cl. A61F 13/12 (2006.01) A61F 13/04 (2006.01) A61F 13/14 (2006.01) A61H 9/00 (2006.01)**
[25] EN
[54] **COMPRESSION GARMENT SYSTEM**
[54] **SYSTEME DE VETEMENT DE COMPRESSION**
[72] CHASE, DANIEL G, US
[72] RILEY, MARK R., US
[72] GAMBLE, KRISTIAN DIOR, US
[72] STRAKA, GREGORY ROBERT, US
[71] TACTILE SYSTEMS TECHNOLOGY, INC., US
[85] 2018-07-18
[86] 2017-01-20 (PCT/US2017/014249)
[87] (WO2017/127623)
[30] US (62/281,706) 2016-01-21

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[13] A1
[51] **Int.Cl. G09G 3/20 (2006.01) G09G 5/00 (2006.01) G09G 5/02 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR REDUCING MYOPIAGENIC EFFECT OF ELECTRONIC DISPLAYS**
[54] **PROCEDE ET APPAREIL DE REDUCTION D'EFFETS DE MYOPIE D'UNITES D'AFFICHAGE ELECTRONIQUES**
[72] FERTIK, MICHAEL BENJAMIN SELKOWE, US
[72] CHALBERG, THOMAS W., JR., US
[72] OLSEN, DAVID WILLIAM, US
[71] WAVESHIFT LLC, US
[85] 2018-07-18
[86] 2017-01-18 (PCT/US2017/013969)
[87] (WO2017/127444)
[30] US (62/279,954) 2016-01-18

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[51] **Int.Cl. A61K 31/506 (2006.01) C07D 401/04 (2006.01) C07D 403/04 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **IMPROVED PROCESS FOR THE PREPARATION OF OSIMERTINIB (AZD9291) OR A SALT THEREOF, AND "AZD9291 ANILINE" OR A SALT THEREOF**
[54] **PROCEDE AMELIORE DE PREPARATION D'OSIMERTIB (AZD9291) OU D'UN SEL DE CELUI-CI, ET "ANILINE AZD9291" OU SEL DE CELLE-CI**
[72] TELFORD, ALEXANDER, GB
[72] BOYD, ALISTAIR JOHN, GB
[71] ASTRAZENECA AB, SE
[85] 2018-07-18
[86] 2017-01-31 (PCT/EP2017/052050)
[87] (WO2017/134051)
[30] US (62/289,390) 2016-02-01

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[51] **Int.Cl. H04L 29/06 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR PROVIDING SECURE AND AUDITABLE TRANSFER OF ENCRYPTED DATA BETWEEN REMOTE LOCATIONS**
[54] **PROCEDES ET SYSTEMES ASSURANT UN TRANSFERT SECURISE ET VERIFIABLE DE DONNEES CRYPTEES ENTRE EMPLACEMENTS DISTANTS**
[72] ROSENBERG, MICHAEL, US
[72] SUTTLES, JASON, US
[72] WOODLIEF, CHRIS, US
[72] BENITZ, MALCOLM, US
[72] BALLARD, CHASE, US
[71] MEDICOM TECHNOLOGIES INC., US
[85] 2018-07-18
[86] 2017-01-20 (PCT/US2017/014271)
[87] (WO2017/127635)
[30] US (62/280,865) 2016-01-20
[30] US (15/361,319) 2016-11-25

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[51] **Int.Cl. B65B 11/58 (2006.01) B65B 11/00 (2006.01) B65B 61/10 (2006.01)**
[25] EN
[54] **PACKAGING METHOD AND MACHINE IN EXTENSIBLE FILM OF PRODUCTS FED IN CONTINUOUS**
[54] **PROCEDE ET MACHINE D'EMBALLAGE SOUS FILM EXTENSIBLE DE PRODUITS ACHEMINES DE FACON CONTINUE**
[72] PECCETTI, FRANCESCO, IT
[71] COLINES S.P.A., IT
[85] 2018-07-18
[86] 2017-02-03 (PCT/EP2017/052346)
[87] (WO2017/137318)
[30] IT (102016000012911) 2016-02-09

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[51] **Int.Cl. E21B 10/32 (2006.01) E21B 10/56 (2006.01) E21B 17/00 (2006.01)**
[25] EN
[54] **ROTARY CUTTING TOOLS**
[54] **OUTILS DE COUPE ROTATIFS**
[72] HIRD, JONATHAN ROBERT, GB
[72] JOHNSON, ASHLEY BERNARD, GB
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2018-07-18
[86] 2017-01-23 (PCT/US2017/014484)
[87] (WO2017/127779)
[30] GB (1601130.6) 2016-01-21

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[51] **Int.Cl. B01J 19/24 (2006.01) B01J 3/00 (2006.01) B01J 3/02 (2006.01) B01J 4/00 (2006.01)**
[25] EN
[54] **MULTIFUNCTION REACTOR**
[54] **REACTEUR MULTIFONCTION**
[72] BRUCATO, ALBERTO, IT
[72] CAPUTO, GIUSEPPE, IT
[72] GRISAFI, FRANCO, IT
[72] SCARGIALI, FRANCESCA, IT
[72] TUMMINELLI, GIANLUCA, IT
[72] TUZZOLINO, GAETANO, IT
[72] GATTUSO, CALOGERO, IT
[72] RIZZO, ROBERTO, IT
[72] ALESSI, MARIALAURA, IT
[72] SANTORO, FABIO, IT
[71] ARCHIMEDE S.R.L., IT
[85] 2018-07-18
[86] 2017-01-27 (PCT/IB2017/050448)
[87] (WO2017/130152)
[30] IT (102016000009465) 2016-01-29
[30] IT (102016000009481) 2016-01-29
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[13] A1
[51] **Int.Cl. G01C 21/34 (2006.01)**
[25] EN
[54] **VEHICLE PARKING SYSTEM**
[54] **SYSTEME DE STATIONNEMENT DE VEHICULES**
[72] MAYS, WESLEY M., US
[72] GLASMANN, RICHARD, US
[71] OMNITRACS, LLC, US
[85] 2018-07-18
[86] 2017-01-27 (PCT/US2017/015508)
[87] (WO2017/132622)
[30] US (15/011,182) 2016-01-29

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 14/725 (2006.01)**
[25] EN
[54] **ROR1 ANTIBODY COMPOSITIONS AND RELATED METHODS**
[54] **COMPOSITIONS D'ANTICORPS ANTI-ROR1 ET PROCEDES ASSOCIES**
[72] RADER, CHRISTOPH, US
[72] PENG, HAIYONG, US
[72] BEERLI, ROGER, CH
[72] WALDMEIER, LORENZ, CH
[72] GRAWUNDER, ULF, CH
[71] THE SCRIPPS RESEARCH INSTITUTE, US
[71] NBE-THERAPEUTICS AG, CH
[85] 2018-07-18
[86] 2017-01-20 (PCT/US2017/014311)
[87] (WO2017/127664)
[30] US (62/280,843) 2016-01-20

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[13] A1
[51] **Int.Cl. H04L 29/06 (2006.01) H04L 29/12 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR SECURELY CONNECTING TO A REMOTE SERVER**
[54] **SYSTEME ET PROCEDE DE CONNEXION SECURISEE A UN SERVEUR A DISTANCE**
[72] FROELICHER, JEFFREE, US
[72] SURYANARAYANA, LALITHA B.S., US
[72] MANDYAM, GIRIDHAR, US
[71] QUALCOMM INCORPORATED, US
[85] 2018-07-18
[86] 2017-02-03 (PCT/US2017/016550)
[87] (WO2017/146891)
[30] US (15/052,736) 2016-02-24

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) C07K 14/725 (2006.01)**
[25] EN
[54] **ROR2 ANTIBODY COMPOSITIONS AND RELATED METHODS**
[54] **COMPOSITIONS D'ANTICORPS ANTI-ROR2 ET PROCEDES ASSOCIES**
[72] RADER, CHRISTOPH, US
[72] PENG, HAIYONG, US
[72] LI, XIULING, US
[71] THE SCRIPPS RESEARCH INSTITUTE, US
[85] 2018-07-18
[86] 2017-01-20 (PCT/US2017/014370)
[87] (WO2017/127702)
[30] US (62/280,834) 2016-01-20

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[13] A1
[51] **Int.Cl. A61B 10/02 (2006.01) A61B 90/00 (2016.01) A61B 1/303 (2006.01) A61M 25/01 (2006.01) A61M 25/10 (2013.01)**
[25] EN
[54] **METHODS AND DEVICES FOR FALLOPIAN TUBE DIAGNOSTICS**
[54] **PROCEDES ET DISPOSITIFS POUR LE DIAGNOSTIC DES TROMPES DE FALLOPE**
[72] CHIN, ALBERT, US
[72] SARNA, SURBHI, US
[72] SNOW, DAVID W., US
[72] MAGANA, JESUS, US
[71] NVISION MEDICAL CORPORATION, US
[85] 2018-07-18
[86] 2017-02-27 (PCT/US2017/019700)
[87] (WO2017/147586)
[30] US (15/053,568) 2016-02-25

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[13] A1
[51] **Int.Cl. C12N 15/115 (2010.01) A61K 31/7088 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR INHIBITING FACTOR D**
[54] **COMPOSITIONS ET PROCEDES POUR INHIBER LE FACTEUR D**
[72] ERICKSON, CARL, US
[72] RUSCONI, CHRISTOPHER P., US
[72] MCLURE, KEVIN G., US
[71] VITRISA THERAPEUTICS, INC., US
[85] 2018-07-18
[86] 2017-01-20 (PCT/US2017/014458)
[87] (WO2017/127761)
[30] US (62/281,092) 2016-01-20
[30] US (62/297,095) 2016-02-18

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[13] A1
[51] **Int.Cl. A61K 47/40 (2006.01) A61K 9/14 (2006.01) A61K 9/16 (2006.01)**
[25] EN
[54] **CONTINUOUS COMPLEXATION OF ACTIVE PHARMACEUTICAL INGREDIENTS**
[54] **COMPLEXATION CONTINUE DE PRINCIPES ACTIFS PHARMACEUTIQUES**
[72] LISBOA, HUGO, PT
[72] TEMTEM, MARCIO, PT
[72] VINCENTE, JOAO, PT
[72] SANTOS, FILIPA, PT
[71] HOVIONE SCIENTIA LIMITED, IE
[85] 2018-07-18
[86] 2017-01-27 (PCT/GB2017/050210)
[87] (WO2017/129988)
[30] PT (109117) 2016-01-28

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[13] A1
[51] **Int.Cl. H04L 29/06 (2006.01)**
[25] EN
[54] **ESTABLISHING A SESSION INITIATION PROTOCOL SESSION**
[54] **ETABLISSEMENT D'UNE SESSION DE PROTOCOLE D'INITIATION DE SESSION**
[72] BUCKLEY, ADRIAN, US
[72] ALLEN, ANDREW MICHAEL, US
[72] BUCKLEY, MICHAEL EOIN, US
[71] BLACKBERRY LIMITED, CA
[85] 2018-07-18
[86] 2017-01-25 (PCT/US2017/014971)
[87] (WO2017/132277)
[30] US (62/286,739) 2016-01-25
[30] US (15/247,065) 2016-08-25

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[13] A1
[51] **Int.Cl. A45C 11/00 (2006.01) A61F 9/00 (2006.01) B65B 25/00 (2006.01)**
[25] EN
[54] **CONTACT LENS PACKAGING**
[54] **EMBALLAGE DE LENTILLE DE CONTACT**
[72] GREENWOOD, ANTHONY JOHN, GB
[72] SMITH, GUY ST JOHN TRISTRAM, GB
[71] GREENSMITH TECHNOLOGIES LTD, GB
[85] 2018-07-18
[86] 2017-02-08 (PCT/GB2017/050309)
[87] (WO2017/137738)
[30] GB (1602335.0) 2016-02-09
[30] GB (1621654.1) 2016-12-19

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[13] A1
[51] **Int.Cl. G01C 21/34 (2006.01)**
[25] EN
[54] **SIMPLIFYING GPS DATA FOR MAP BUILDING AND DISTANCE CALCULATION**
[54] **SIMPLIFICATION DE DONNEES DE GPS POUR LA CONSTRUCTION DE CARTES ET LE CALCUL DE DISTANCES**
[72] CUI, SOPHIA, US
[72] NGUYEN, THI DUONG, US
[72] SUMERS, THEODORE RUSSELL, US
[72] YU, MIAO, US
[72] ZHANG, XINGWEN, US
[71] UBER TECHNOLOGIES, INC., US
[85] 2018-07-18
[86] 2016-12-31 (PCT/IB2016/058127)
[87] (WO2017/130047)
[30] US (15/009,552) 2016-01-28

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[13] A1
[51] **Int.Cl. B29C 65/14 (2006.01) B62D 25/00 (2006.01) B62D 33/023 (2006.01)**
[25] EN
[54] **INFRARED WELDED EXTERIOR PANEL ASSEMBLY AND PROCESS OF MAKING SAME**
[54] **ENSEMBLE DE PANNEAU EXTERIEUR SOUDE PAR INFRAROUGE ET SON PROCEDE DE FABRICATION**
[72] CHAAYA, RIAD, US
[72] BIRKA, MARK P., US
[72] HARNEY, WILLIAM J. J., CA
[72] SALZMANN, HEINER, US
[72] KUNTZE, CHRISTOPHER J., US
[72] HUOTARI, KEIJO J., US
[71] MAGNA EXTERIORS INC., CA
[85] 2018-07-18
[86] 2017-01-30 (PCT/IB2017/000116)
[87] (WO2017/130064)
[30] US (62/288,786) 2016-01-29
[30] US (62/426,097) 2016-11-23

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[13] A1
[51] **Int.Cl. C07K 16/00 (2006.01) C40B 40/02 (2006.01)**
[25] EN
[54] **A METHOD OF GENERATING A SYNTHETIC ANTIBODY LIBRARY, SAID LIBRARY AND APPLICATION(S) THEREOF**
[54] **PROCEDE DE GENERATION D'UNE BIBLIOTHEQUE D'ANTICORPS SYNTHETIQUES, LADITE BIBLIOTHEQUE ET SES APPLICATIONS**
[72] CHATTERJEE, SOHANG, US
[72] IYER RODRIGUES, KAVITHA, IN
[72] GHOSH, MALOY, IN
[72] MAITY, SUNIT, IN
[72] UNNIKRISHNAN, DIVYA, IN
[72] MANJUNATH BANGALORE MUNIRAJU, YOGENDRA, IN
[72] MURUGESAN, SATHYABALAN, IN
[72] MUKUNDA, PAVITHRA, IN
[72] PRASAD, BHARGAV, IN
[72] KAMANAGOWDA, VEERESHA, IN
[72] BHATTACHARJEE, SANGHAMITRA, IN
[72] KUMAR DAKSHINAMURTHY, PRAVIN, IN
[72] HALAN, VIVEK, IN
[72] SRINIVASAN, SANKARANARAYANAN, IN
[72] HORA, ANURADHA, IN
[72] NATARAJAN, BAIRAVABALAKUMAR, IN
[72] NAIR, KARTHIKA, IN
[72] THANIGAIVEL, ASWINI, IN
[72] MALIWALAVE, AMOL, IN
[72] RAVINDRA SHENOY, BHARATH, IN
[72] BHIMA RAO, SAHANA, IN
[72] PRAKASH CHAKRABARTY, SUBHRA, IN
[72] KUMAR DUBEY, ASHVINI, IN
[72] KHAN, AMIR, IN
[72] SHARMA, ANKURINA, IN
[72] SHARMA, RASHMI, IN
[72] TIWARI, ANURAG, IN
[72] KUMAR, SANTOSH, IN
[72] PATEL, SHIVANI, IN
[72] MARKANDA, NIKITHA, IN
[71] ZUMUTOR BIOLOGICS, INC., US
[85] 2018-07-18
[86] 2017-01-19 (PCT/IB2017/050280)
[87] (WO2017/125871)
[30] IN (201641001955) 2016-01-19

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[13] A.
[51] **Int.Cl. A23J 3/20 (2006.01) C12N 1/06 (2006.01)**
[25] EN
[54] **PROTEIN CONTAINING MATERIAL BIOMASS AND METHODS OF PRODUCTION**
[54] **BIOMASSE DE MATIERE CONTENANT DES PROTEINES ET PROCEDES DE PRODUCTION**
[72] SCHOLTEN, JOHANNES, US
[72] LAKSHMANASWAMY, ARUN, US
[72] BURKE, JOEL, US
[72] RUTT, GEORGE C., US
[71] SYNTHETIC GENOMICS, INC., US
[85] 2018-07-18
[86] 2017-01-26 (PCT/US2017/015177)
[87] (WO2017/132407)
[30] US (62/287,837) 2016-01-27

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[13] A1
[51] **Int.Cl. B65D 1/00 (2006.01) B65D 1/02 (2006.01) B65D 23/00 (2006.01)**
[25] EN
[54] **CONTAINER WITH PRESSURE ACCOMMODATION PANEL**
[54] **RECIPIENT AVEC PANNEAU D'ADAPTATION DE PRESSION**
[72] LOHMEIER, MICHAEL ANDREW, US
[72] WINGFIELD, TOBY RICHARD DAVID, US
[72] BARTMAN, LORI EVANS, US
[72] GROLL, ROBERT JON, US
[71] PEPSICO, INC., US
[85] 2018-07-18
[86] 2017-01-31 (PCT/US2017/015798)
[87] (WO2017/139134)
[30] US (15/019,806) 2016-02-09

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[51] **Int.Cl. G01N 33/487 (2006.01) C1... 1/68 (2018.01)**
[25] EN
[54] **MODIFIED NANOPORES, COMPOSITIONS COMPRISING THE SAME, AND USES THEREOF**
[54] **NANOPORES MODIFIES, COMPOSITIONS LES COMPRENANT ET LEURS UTILISATIONS**
[72] MAGLIA, GIOVANNI, NL
[72] FRANCESCHINI, LORENZO, BE
[72] BROUNS, TINE, BE
[72] HERON, ANDREW JOHN, GB
[72] JAYASINGHE, LAKMAL NISHANTHA, GB
[72] WALLACE, ELIZABETH JAYNE, GB
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[54] **CONTINUOUSLY VARIABLE PLANETARY TRANSMISSION**
[54] **TRANSMISSION PLANETAIRE A VARIATION CONTINUE**
[72] RODI, WOLFGANG, DE
[71] ROLLESS GMBH, DE
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[54] **METHOD FOR TRANSMITTING GAME SESSIONS AMONG TERMINALS**
[54] **METHODE DE TRANSMISSION DE SESSIONS DE JEU SUR DES TERMINAUX**
[72] GRUMET, MATTHIAS, AT
[72] KUSTERNIG, MICHAEL, AT
[72] ROLLMANN, RALF, AT
[71] NOVOMATIC AG, AT
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[25] EN
[54] **A COSMETIC COMPOSITION AND THE USE THEREOF FOR REGULATING SKIN QUALITY**
[54] **COMPOSITION COSMETIQUE ET SON UTILISATION SERVANT A REGULER LA QUALITE DE LA PEAU**
[72] CHEETHAM, PETER SAMUEL JAMES, GB
[72] LANGWALLNER, CHRISTOPH, SG
[72] LANGWALLNER, MARGIT, SG
[72] TAN, WEN JUE AMELIA, SG
[71] ACHROMAZ PTE. LTD., SG
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[25] EN
[54] **BENZIMIDAZOLE DERIVATIVES AS MODULATORS OF ROR-GAMMA**
[54] **DERIVES DE BENZIMIDAZOLES UTILISES COMME MODULATEURS DE ROR-GAMMA**
[72] CLAREMON, DAVID A., US
[72] DILLARD, LAWRENCE WAYNE, US
[72] FAN, YI, US
[72] LOTESTA, STEPHEN D., US
[72] SINGH, SURESH B., US
[72] TICE, COLIN M., US
[72] ZHAO, WEI, US
[72] ZHUANG, LINGHANG, US
[71] VITAE PHARMACEUTICALS, INC., US
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[25] EN
[54] **DEVICE FOR LONGITUDINAL CUTTING AND/OR STAMPING OF DOUGH**
[54] **DISPOSITIF DE MATRICAGE ET/OU DE DECOUPAGE EN LONGUEUR DE PATE**
[72] MAIER, GERNOT, AT
[72] STELZER, HANNES, AT
[72] URSCHLER, STEFAN, AT
[71] KONIG MASCHINEN GESELLSCHAFT M.B.H., AT
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[54] **GEOMETRIC TRANSFORMS FOR FILTERS FOR VIDEO CODING**
[54] **TRANSFORMATIONS GEOMETRIQUES POUR DES FILTRES POUR UN CODAGE VIDEO**
[72] KARCZEWICZ, MARTA, US
[72] CHIEN, WEI-JUNG, US
[72] ZHANG, LI, US
[71] QUALCOMM INCORPORATED, US
[85] 2018-07-17
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[54] **LOCATION DETERMINATION USING CROWD SOURCED INFORMATION**
[54] **DETERMINATION D'EMPLACEMENT A L'AIDE D'INFORMATIONS D'EXTERNALISATION OUVERTE**
[72] SADRIEH, SEYED NIMA, CA
[71] RX NETWORKS INC., CA
[85] 2018-07-18
[86] 2017-01-19 (PCT/CA2017/050059)
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[25] EN
[54] **PROTEINACEOUS COMPOUNDS AND USES THEREFOR**
[54] **COMPOSES PROTEIQUES ET LEURS UTILISATIONS**
[72] RAO, SUDHA, AU
[72] MILBURN, PETER, AU
[71] UNIVERSITY OF CANBERRA, AU
[85] 2018-07-18
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[54] **METHODS AND COMPOSITIONS FOR RNA-GUIDED TREATMENT OF HIV INFECTION**
[54] **METHODES ET COMPOSITIONS POUR LE TRAITEMENT GUIDE PAR ARN D'UNE INFECTION PAR LE VIH**
[72] KHALILI, KAMEL, US
[72] MALCOLM, THOMAS, US
[71] EXCISION BIOTHERAPEUTICS, INC., US
[71] TEMPLE UNIVERSITY OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION, US
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[25] EN
[54] **NEW SUBSTITUTED CYANOINDOLINE DERIVATIVES AS NIK INHIBITORS**
[54] **NOUVEAUX DERIVES DE CYANOINDOLINE UTILISES COMME INHIBITEURS DE NIK**
[72] STANSFIELD, IAN, FR
[72] QUEROLLE, OLIVIER ALEXIS GEORGES, FR
[72] PONCELET, VIRGINIE SOPHIE, FR
[72] GROSS, GERHARD MAX, BE
[72] JACOBY, EDGAR, BE
[72] MEERPOEL, LIEVEN, BE
[72] KULAGOWSKI, JANUSZ JOZEF, GB
[72] MACLEOD, CALUM, GB
[72] MANN, SAMUEL EDWARD, GB
[72] GREEN, SIMON RICHARD, GB
[72] HYND, GEORGE, GB
[71] JANSSEN PHARMACEUTICA NV, BE
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[54] **NOVEL DEVICE**
[54] **DISPOSITIF INNOVANT**
[72] KRAEMER, HANS, DE
[71] GLAXOSMITHKLINE CONSUMER HEALTHCARE GMBH & CO. KG, DE
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[86] 2017-01-16 (PCT/EP2017/050745)
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[25] EN
[54] **APPARATUS AND METHOD FOR MDCT M/S STEREO WITH GLOBAL ILD TO IMPROVE MID/SIDE DECISION**
[54] **APPAREIL ET PROCEDE POUR MDCT M/S STEREO AVEC ILD GLOBAL AVEC AMELIORATION DE LA DECISION MID/SIDE**
[72] RAVELLI, EMMANUEL, DE
[72] SCHNELL, MARKUS, DE
[72] DOEHLA, STEFAN, DE
[72] JAEGERS, WOLFGANG, DE
[72] DIETZ, MARTIN, DE
[72] HELMRICH, CHRISTIAN, DE
[72] MARKOVIC, GORAN, DE
[72] FOTOPOULOU, ELENI, DE
[72] MULTRUS, MARKUS, DE
[72] BAYER, STEFAN, DE
[72] FUCHS, GUILLAUME, DE
[72] HERRE, JUERGEN, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
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[54] **BANDEAU A CHEVEUX DOTE DE BANDES DE SUPPORT DE CHEVEUX**
[72] ALEX, GUNTER, DE
[71] HAIRTALK GMBH, DE
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[30] US (15/006,218) 2016-01-26
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[25] EN
[54] **DEVICE FOR FILLING A TUBE WITH PARTICULATE FILLING MATERIAL**
[54] **DISPOSITIF POUR REMPLIR UN TUBE D'UNE MATIERE DE REMPLISSAGE PARTICULAIRE**
[72] COTA, ALDO, DE
[71] COTA, ALDO, DE
[85] 2018-07-18
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[51] **Int.Cl. C12N 15/90 (2006.01) A61K 48/00 (2006.01) C12N 9/22 (2006.01) C12N 9/90 (2006.01)**
[25] EN
[54] **REPLICATIVE TRANSPOSON SYSTEM**
[54] **SYSTEME TRANSPOSON REPLICATIF**
[72] BUERCKSTUEMMER, TILMANN, GB
[72] KAPITONOV, VLADIMIR VYACHESLAVOVICH, US
[72] GRABUNDZIJA, IVANA, DE
[72] IVICS, ZOLTAN, DE
[71] MAX-DELBRUCH-CENTRUM FUR MOLEKULARE MEDIZIN, DE
[71] HORIZON DISCOVERY LIMITED, GB
[71] GENETIC INFORMATION RESEARCH INSTITUTE, US
[85] 2018-07-18
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[51] **Int.Cl. C07K 16/00 (2006.01) C07K 16/08 (2006.01)**
[25] EN
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[54] **IMMUNOGLOBULINES GENETIQUEMENT TRANSFORMEES AYANT UNE LIAISON A FCRN ALTEREE**
[72] FOSS, STIAN, NO
[72] ANDERSEN, JAN TERJE, NO
[72] SANDLIE, INGER, NO
[71] UNIVERSITY OF OSLO, NO
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[25] EN
[54] **METHODS AND APPARATUS FOR CONTROLLING RADIATION DOSE TO FLUIDS IN UV-LED PHOTOREACTORS**
[54] **PROCEDES ET APPAREIL POUR REGULER UNE DOSE DE RAYONNEMENT DE FLUIDES DANS DES PHOTOREACTEURS A DEL-UV**
[72] TAGHIPOUR, FARIBORZ, CA
[71] THE UNIVERSITY OF BRITISH COLUMBIA, CA
[85] 2018-07-18
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[54] **COMPOSITIONS AND METHODS FOR USE IN SURFACE DECONTAMINATION**
[54] **COMPOSITIONS ET PROCEDES DESTINES A ETRE UTILISES POUR DECONTAMINER DES SURFACES**
[72] KANG, JASON, US
[72] TYAN, KEVIN, US
[72] JIN, KATHERINE, US
[71] KINNOS INC., US
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[86] 2017-02-10 (PCT/US2017/017509)
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[25] EN
[54] **HEAT DISSIPATION APPARATUS AND METHODS FOR UV-LED PHOTOREACTORS**
[54] **APPAREIL ET PROCEDES DE DISSIPATION DE CHALEUR POUR PHOTO-REACTEURS A DEL UV**
[72] TAGHIPOUR, FARIBORZ, CA
[71] THE UNIVERSITY OF BRITISH COLUMBIA, CA
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[25] EN
[54] **ORTHOGONAL-PROJECTION-BASED TEXTURE ATLAS PACKING OF THREE-DIMENSIONAL MESHES**
[54] **GROUPAGE D'ATLAS DE TEXTURES BASE SUR UNE PROJECTION ORTHOGONALE DE MAILLES TRIDIMENSIONNELLES**
[72] WEI, XIAOLIN, US
[72] ZHANG, YIFU, US
[71] MAGIC LEAP, INC., US
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[30] US (62/289,059) 2016-01-29

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[54] **METHOD OF UNWRAPPING A PALLETISED LOAD AND DEVICE FOR CARRYING OUT SAID METHOD**
[54] **PROCEDE DE DEBALLAGE D'UNE CHARGE SUR PALETTE ET DISPOSITIF PERMETTANT DE METTRE EN □UVRE LEDIT PROCEDE**
[72] GIBERT GUASCH, PERE, ES
[72] FONTCUBERTA MAS, MARCEL, ES
[72] CHAVARRI CABEZAS, RAUL, ES
[72] RABADA BAIGES, JORDI, ES
[71] FREIXENET, S.A., ES
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[25] EN
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[54] **PROCEDE D'ACTIONNEMENT D'UN RESERVOIR POUR L'ENERGIE HYDROELECTRIQUE AVEC UNE COURBE DE REGLE D'ELEVATION A 2 PARAMETRES**
[72] VELASCO, HORACIO, US
[71] VELASCO, HORACIO, US
[71] CALTEC OVERSEAS, INC., US
[85] 2018-07-18
[86] 2017-01-18 (PCT/IB2017/050270)
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[30] US (62/279,943) 2016-01-18
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[54] **BRANCHED OLIGONUCLEOTIDES**
[54] **OLIGONUCLEOTIDES RAMIFIES**
[72] KHVOROVA, ANASTASIA, US
[72] HASSLER, MATTHEW, US
[72] ALTERMAN, JULIA, US
[72] GODINHO, BRUNO MIGUEL DA CRUZ, US
[71] UNIVERSITY OF MASSACHUSETTS, US
[85] 2018-07-11
[86] 2017-01-30 (PCT/US2017/015633)
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[30] US (62/289,268) 2016-01-31
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[25] FR
[54] **INSTALLATION FOR THE AUTOMATED STRAIGHTENING OF A SPARK PLUG ELECTRODE AND ASSOCIATED AUTOMATED STRAIGHTENING METHOD**
[54] **INSTALLATION DE REDRESSAGE AUTOMATISE D'UNE MECHE DE BOUGIE ET PROCEDE DE REDRESSAGE AUTOMATISE ASSOCIE**
[72] ROUSSEAU, GUILHEM, FR
[71] MANUFACTURE FRANCAISE DE BOUGIES, FR
[85] 2018-07-17
[86] 2017-01-27 (PCT/FR2017/050189)
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[54] **EVENT REGISTRATION AND NOTIFICATION**
[54] **ENREGISTREMENT ET NOTIFICATION D'EVENEMENTS**
[72] DESHPANDE, SACHIN G., US
[71] SHARP KABUSHIKI KAISHA, JP
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[30] US (62/291,500) 2016-02-04

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[25] EN
[54] **MOVABLE PLATFORM FOR PHYSICAL EXERCISE**
[54] **PLATE-FORME MOBILE POUR EXERCICE PHYSIQUE**
[72] D'ALESIO, GIONATA, IT
[71] REAXING S.R.L., IT
[85] 2018-07-18
[86] 2017-01-25 (PCT/IB2017/050386)
[87] (WO2017/130112)
[30] IT (102016000007697) 2016-01-26

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[51] **Int.Cl. H01M 8/18 (2006.01) H01M 4/90 (2006.01)**
[25] EN
[54] **CARBON CATALYST FOR REDOX FLOW BATTERY ELECTRODES**
[54] **CATALYSEUR CARBONE POUR ELECTRODES DE BATTERIE REDOX**
[72] KISHIMOTO, TAKEAKI, JP
[72] MIZUSHIRI, MAYUMI, JP
[71] NISSHINBO HOLDINGS INC., JP
[85] 2018-07-18
[86] 2017-02-03 (PCT/JP2017/003992)
[87] (WO2017/145709)
[30] JP (2016-036338) 2016-02-26

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[51] **Int.Cl. C08F 4/00 (2006.01)**
[25] EN
[54] **POLYMER PRODUCTION METHOD AND RADICAL POLYMERIZATION INITIATING GROUP-CONTAINING COMPOUND**
[54] **PROCEDE DE PRODUCTION DE POLYMERE ET COMPOSE CONTENANT UN GROUPE D'INITIATION DE POLYMERISATION RADICALAIRE**
[72] SHIMANAKA, HIROYUKI, JP
[72] TAGI, YOICHI, JP
[72] MURAKAMI, YOSHIKAZU, JP
[71] DAINICHISEIKA COLOR & CHEMICALS MFG. CO., LTD., JP
[85] 2018-07-18
[86] 2017-02-22 (PCT/JP2017/006459)
[87] (WO2017/150287)
[30] JP (2016-037274) 2016-02-29
[30] JP (2016-202901) 2016-10-14

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[51] **Int.Cl. A61K 39/395 (2006.01) A61K 45/06 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01)**
[25] EN
[54] **BCMA ANTIBODIES AND USE OF SAME TO TREAT CANCER AND IMMUNOLOGICAL DISORDERS**
[54] **ANTICORPS BCMA ET LEUR UTILISATION POUR TRAITER LE CANCER ET LES TROUBLES IMMUNOLOGIQUES**
[72] SUSSMAN, DJANGO, US
[72] RYAN, MAUREEN, US
[72] WESTENDORF, LORI, US
[72] FELDHAUS, MICHAEL, US
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[54] **METHODES ET SYSTEMES DE DETECTION RAPIDE DE BACTERIES**
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[72] NEELY, LORI ANNE, US
[72] GIESE, HEIDI SUSANNE, US
[72] TOWNSEND, JESSICA ANN, US
[72] DHANDA, RAHUL KRISHAN, US
[72] LOWERY, THOMAS JAY, JR, US
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[72] PHUNG, NU AI, US
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[54] **LIQUID INSULIN FORMULATIONS AND METHODS RELATING THERETO**
[54] **FORMULATIONS D'INSULINE LIQUIDES ET PROCEDES S'Y RAPPORTANT**
[72] BUECHE, BLAINE, US
[72] KUO, MEI-CHANG, US
[72] PATTON, JOHN S., US
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[54] **METHODS AND DRUG COMPOSITIONS FOR TREATING LYME DISEASE**
[54] **PROCEDES ET COMPOSITIONS MEDICAMENTEUSES DESTINES AU TRAITEMENT DE LA MALADIE DE LYME**
[72] NAZIR AHMED, MOHAMMED INAYATHULLAH, US
[72] RAJADAS, JAYAKUMAR, US
[72] POTHINENI, VENKATA RAVEENDRA, US
[71] NAZIR AHMED, MOHAMMED INAYATHULLAH, US
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[54] **BUMPERS FOR USE AT LOADING DOCKS**
[54] **BUTOIRS DESTINES A ETRE UTILISES AU NIVEAU DE QUAIS DE CHARGEMENT**
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[72] MANONE, JOSEPH, US
[71] RITE-HITE HOLDING CORPORATION, US
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[54] **RECOVERY METHOD FOR COPPER-INDIUM-GALLIUM-SELENIUM MATERIAL**
[54] **PROCEDE DE RECUPERATION D'UN MATERIAU DE CUIVRE-INDIUM-GALLIUM-SELENIUM**
[72] LIU, JUNFEI, CN
[72] GAO, YONGTAO, CN
[72] WANG, GUAN, CN
[72] WU, GUOFA, CN
[72] PENG, KAN, CN
[71] HANERGY NEW MATERIAL TECHNOLOGY CO., LTD., CN
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[54] **APPARATUS AND METHOD FOR MECHANICALLY JOINING ADVANCED HIGH STRENGTH STEEL**
[54] **APPAREIL ET PROCEDE D'ASSEMBLAGE MECANIQUE D'ACIER HAUTE RESISTANCE DE POINTE**
[72] SAVOY, MARK A., US
[72] MORGAN, PHILLIP J. I., US
[71] UTICA ENTERPRISES, INC., US
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[54] **PLASTICISER COMPOSITION CONTAINING ALIPHATIC DICARBOXYLIC ACID ESTERS AND DIESTERS SELECTED FROM 1,2-CYCLOHEXANE DICARBOXYLIC ACID ESTERS AND TEREPHTHALIC ACID ESTERS**
[54] **COMPOSITION DE PLASTIFIANT CONTENANT DES ESTERS D'ACIDE DICARBOXYLIQUE ALIPHATIQUES ET DES DIESTERS CHOISIS PARMI LES ESTERS D'ACIDE 1,2-CYCLOHEXANE-DICARBOXYLIQUE ET LES ESTERS D'ACIDE TEREPHTALIQUE**
[72] PFEIFFER, MATTHIAS, DE
[72] BREITSCHEIDEL, BORIS, DE
[72] GRIMM, AXEL, DE
[72] MORGENSTERN, HERBERT, DE
[71] BASF SE, DE
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[54] **ROBOT TO MOVE A SUPPORT PLATFORM ALONG A FLANGE CONNECTION**
[54] **ROBOT POUR DEPLACER UNE PLATE-FORME DE SUPPORT LE LONG D'UN RACCORDEMENT DE BRIDE**
[72] JOHST, KENNETH, DK
[72] JAGD, LARS, SE
[72] MARINITSCH, GERALD, AT
[71] ADMEDE AB, SE
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[54] **APPARATUS FOR CONTROLLING FERMENTATION OF NATURAL MATERIAL**
[54] **APPAREIL DE REGULATION DE FERMENTATION D'UNE MATIERE NATURELLE**
[72] PESONEN, NADINE, FI
[72] GUERRE, ROLAND, FI
[71] QUANTURI OY, FI
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[54] **METHOD FOR RECYCLING COPPER INDIUM GALLIUM SELENIUM MATERIALS**
[54] **PROCEDE DE RECYCLAGE DE MATERIAUX DE CUIVRE INDIUM GALLIUM SELENIUM**
[72] GAO, YONGTAO, CN
[72] LIU, JUNFEI, CN
[72] WANG, GUAN, CN
[72] WU, GUOFA, CN
[71] HANERGY NEW MATERIAL TECHNOLOGY CO., LTD., CN
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[54] **ROBOT WITH POSITIONING MEANS TO MOVE A TOOL ALONG A FLANGE CONNECTION**
[54] **ROBOT DOTE D'UN MOYEN DE POSITIONNEMENT PERMETTANT DE DEPLACER UN OUTIL LE LONG D'UN RACCORDEMENT A BRIDE**
[72] JOHST, KENNETH, DK
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[54] **METHOD FOR RECYCLING COPPER INDIUM GALLIUM SELENIUM MATERIALS**
[54] **PROCEDE DE RECYCLAGE DE MATERIAUX DE CUIVRE INDIUM GALLIUM SELENIUM**
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[72] LIU, JUNFEI, CN
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[54] **MANUFACTURING METHOD FOR HIGH-PURITY CYCLOHEXENONE LONG-CHAIN ALCOHOL**
[54] **PROCEDE DE FABRICATION D'UN ALCOOL A CHAINE LONGUE CYCLOHEXENONE DE GRANDE PURETE**
[72] ZHANG, JIAN, CN
[72] JIANG, DEHUI, CN
[72] SHEN, XIAOJUN, CN
[71] TAIHO PHARMACEUTICAL CO., LTD., JP
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[54] **APPARATUSES AND METHODS FOR ENCODING OR DECODING A MULTI-CHANNEL AUDIO SIGNAL USING FRAME CONTROL SYNCHRONIZATION**
[54] **APPAREILS ET PROCEDES DE CODAGE OU DE DECODAGE D'UN SIGNAL AUDIO MULTICANAL EN UTILISANT UNE SYNCHRONISATION DE COMMANDE DE TRAME**
[72] FUCHS, GUILLAUME, DE
[72] RAVELLI, EMMANUEL, DE
[72] MULTRUS, MARKUS, DE
[72] SCHNELL, MARKUS, DE
[72] DOEHLA, STEFAN, DE
[72] DIETZ, MARTIN, DE
[72] MARKOVIC, GORAN, DE
[72] FOTOPOULOU, ELENI, DE
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[54] **APPARATUS AND METHOD FOR ESTIMATING AN INTER-CHANNEL TIME DIFFERENCE**
[54] **APPAREIL ET PROCEDE POUR ESTIMER UNE DIFFERENCE DE TEMPS INTER-CANAUX**
[72] BAYER, STEFAN, DE
[72] FOTOPOULOU, ELENI, DE
[72] MULTRUS, MARKUS, DE
[72] FUCHS, GUILLAUME, DE
[72] RAVELLI, EMMANUEL, DE
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[54] **DISPOSITIF ET PROCEDE DE DETERMINATION DE VISCOSITE DANS DES LIQUIDES**
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[72] BOADEN, ELIZABETH, GB
[71] VISCGO LIMITED, GB
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[54] **METHOD AND DEVICE FOR THE LAYING DOWN OF A GEOMEMBRANE**
[54] **PROCEDE ET DISPOSITIF DE POSE D'UNE GEOMEMBRANE**
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[71] CARPI TECH B.V., NL
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[54] **SYSTEME DE PRODUCTION D'ENERGIE MARINE**
[72] HAYMAN, JASON, GB
[72] BURDEN, CHRISTOPHER, GB
[72] HUNT, ANDREW, GB
[72] URQUHART, KEVIN, GB
[71] SUSTAINABLE MARINE ENERGY LIMITED, GB
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[54] **MOISTURIZING PERSONAL CARE COMPOSITIONS COMPRISING MONODISPERSE PHYTOGLYCOGEN NANOPARTICLES AND A FURTHER POLYSACCHARIDE**
[54] **COMPOSITIONS DE SOINS PERSONNELS HYDRATANTES COMPRENANT DES NANOPARTICULES DE PHYTOGLYCOGENE MONO-DISPERSEES ET UN AUTRE POLYSACCHARIDE**
[72] KORENEVSKI, ANTON, CA
[72] MIKI, CARLEY, CA
[72] KURYLOWICZ, MARTIN, CA
[72] CRUMBLEHULME, ALISON, CA
[71] MIREXUS BIOTECHNOLOGIES INC., CA
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[72] TOON, LINDSEY ANN, GB
[72] HOFFMANN, RALF, GB
[71] BENCHMARK ANIMAL HEALTH LIMITED, GB
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[86] 2017-02-02 (PCT/GB2017/050259)
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[54] **APPARATUS AND SYSTEM FOR EXCHANGING HEAT WITH A FLUID**
[54] **APPAREIL ET SYSTEME D'ECHANGE DE CHALEUR AVEC UN FLUIDE**
[72] STEINER, THOMAS WALTER, CA
[72] HOY, MICHAEL, CA
[72] ARCHIBALD, GEOFFREY DONALD STALKER, CA
[72] GOTTFRIED, KRISTJAN, CA
[72] KANEMARU, TAKAO, CA
[72] MEDARD DE CHARDON, BRIAC, CA
[71] ETALIM INC., CA
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[54] **RANGE-FINDING AND OBJECT-POSITIONING SYSTEMS AND METHODS USING SAME**
[54] **SYSTEMES DE TELEMETRIE ET DE POSITIONNEMENT D'OBJET ET PROCEDES LES UTILISANT**
[72] LOWE, MATTHEW WILLIAM, CA
[72] DEHGHANIAN, VAHID, CA
[71] ZEROKEY INC., CA
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[25] EN
[54] **CYCLODEXTRIN BASED POLYMERS, METHODS, COMPOSITIONS AND APPLICATIONS THEREOF**
[54] **POLYMERES A BASE DE CYCLODEXTRINE, ET LEURS PROCEDES, COMPOSITIONS ET APPLICATIONS**
[72] KULKARNI, ADITYA, IN
[72] DOLAS, ATUL, IN
[72] KHURANA, PRINCY, IN
[72] JOHNY, SONIYA, IN
[72] MANJUNATH, MANU, IN
[71] ATEN PORUS LIFESCIENCES, IN
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[25] EN
[54] **FINGER HOOK-SHAPED TOOL FOR A SOIL CULTIVATION DEVICE; METHOD FOR MECHANICAL CONTROL OF WEEDS IN ROW CROPS**
[54] **OUTIL DE DOIGT EN FORME DE CROCHET DESTINE A UN APPAREIL DE CULTURE DU SOL; METHODE DE CONTROLE MECANIQUE DES MAUVAISES HERBES DANS LES CULTURES EN RANG**
[72] KIRCHHOFF, CHRISTIAN, DE
[71] K.U.L.T. KRESS UMWELTSCHONENDE LANDTECHNIK GMBH, DE
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[25] EN
[54] **METHOD FOR MANUFACTURING THREE-DIMENSIONAL STRUCTURE, AND 3D PRINTER FILAMENT**
[54] **METHODE DE FABRICATION D'UNE STRUCTURE TRIDIMENSIONNELLE, ET FILAMENT D'IMPRIMANTE 3D**
[72] NAKAI, ASAMI, JP
[72] OHTANI, AKIO, JP
[72] ITO, HIROTO, JP
[72] HIRANO, FUMIYA, JP
[72] HIROOKA, NOBUKI, JP
[72] MATSUMOTO, NOBUHIKO, JP
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[25] EN
[54] **PROCESS FOR THE PREPARATION OF 4-ALKOXY-3-HYDROXYPICOLINIC ACIDS**
[54] **PROCEDE DE PREPARATION D'ACIDES 4-ALCOXY-3-HYDROXYPICOLINIQUES**
[72] STOCKMAN, KENNETH E., US
[72] WHITEKER, GREGORY T., US
[72] MOLITOR, ERICH J., US
[72] CHOY, NAKYEN, US
[71] DOW AGROSCIENCES LLC, US
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[25] EN
[54] **CONTROLLING WATER RELEASE FROM A DIMENSIONALLY STABLE AQUEOUS COMPOSITION**
[54] **COMMANDE DE LA LIBERATION D'EAU A PARTIR D'UNE COMPOSITION CONTENANT DE L'EAU DIMENSIONNELLEMENT STABLE**
[72] HAMMES, FLORIAN, DE
[72] EIFLER, RENE, DE
[71] LTS LOHMANN THERAPIE-SYSTEME AG, DE
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[54] **CRYSTALLINE FORM OF 1,3-THIAZOL-5-YLMETHYL [(2R,5R)-5-{[(2S)-2-[(METHYL{[2-(PROPAN-2-YL)-1,3-THIAZOL-4-YL]METHYL}CARBAMOYL)AMINO]-4-(MORPHOLIN-4-YL)BUTANOYL 9AMINO}-1,6-DIPHENYLHEXAN-2-YL]CARBAMATE OR COBICISTAT**
[54] **NOUVELLE FORME CRISTALLINE DE 1,3-THIAZOL-5-YLMETHYL[(2R,5R)-5-{[(2S)-2-[(METHYL{[2-(PROPAN-2-YL)- 1,3-THIAZOL-4-YL]METHYL}CARBAMOYL)AMINO]-4-(MORPHOLIN-4-YL)BUTANOYL]AMINO}-1,6-DIPHENYLHEXAN-2-YL]CARBAMATE OR COBICISTAT**
[72] LAI, CHIAJEN, US
[72] YU, LOK HIM LAWRENCE, US
[72] YU, RICHARD HUNG CHIU, US
[72] DE ARMAS, HECTOR NOVOA, BE
[71] GILEAD SCIENCES, INC., US
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[25] EN
[54] **HEAT-INDUCED GRAFTING OF NONWOVENS FOR HIGH CAPACITY ION EXCHANGE SEPARATION**
[54] **GREFFAGE DE NON-TISSES INDUIT PAR LA CHALEUR POUR UNE SEPARATION D'ECHANGE D'IONS DE GRANDE CAPACITE**
[72] HELLER, MICHAEL LEONARD, US
[72] CARBONELL, RUBEN G., US
[71] NORTH CAROLINA STATE UNIVERSITY, US
[85] 2018-07-19
[86] 2017-07-17 (PCT/IB2017/054312)
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[54] **ONCOLYTIC VIRAL VECTORS AND USES THEREOF**
[54] **VECTEURS VIRAUX ONCOLYTIQUES ET LEURS UTILISATIONS**
[72] GREENBERG, KENNETH P., US
[72] FINER, MITCHELL H., US
[71] ONCORUS, INC., US
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[86] 2017-01-27 (PCT/US2017/015417)
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[51] **Int.Cl. H04W 48/12 (2009.01) H04W 48/14 (2009.01) H04W 52/02 (2009.01)**
[25] EN
[54] **PROVIDING A SYSTEM INFORMATION BLOCK REQUEST AND RESPONSE**
[54] **TRANSMISSION DE BLOC D'INFORMATIONS SYSTEME SUR DEMANDE**
[72] TAVILDAR, SAURABHA, US
[72] JI, TINGFANG, US
[72] HORN, GAVIN BERNARD, US
[72] AGARWAL, RAVI, US
[72] KUBOTA, KEIICHI, US
[71] QUALCOMM INCORPORATED, US
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[30] US (62/293,633) 2016-02-10
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[25] EN
[54] **HYBRID AUTOMATIC REPEAT REQUESTS IN A WIRELESS DEVICE AND WIRELESS NETWORK**
[54] **REQUETES AUTOMATIQUES DE REPETITION HYBRIDE DANS UN DISPOSITIF SANS FIL ET UN RESEAU SANS FIL**
[72] DINAN, ESMAEL, US
[72] BABAEI, ALIREZA, US
[71] OFINNO TECHNOLOGIES, LLC, US
[85] 2018-07-18
[86] 2017-01-30 (PCT/US2017/015591)
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[25] EN
[54] **MULTILAYERED PANEL FOR MACHINERY ENCLOSURE**
[54] **PANNEAU MULTICOUCHE POUR UNE ENCEINTE DE MACHINES**
[72] MERLO, ROBERTO, IT
[72] TOZZI, PIERLUIGI, IT
[72] BARDAZZI, ROBERTO, IT
[72] CHECCACCI, EMANUELE, IT
[72] BISIO, VALENTINA, IT
[71] NUOVO PIGNONE TECNOLOGIE SRL, IT
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[25] EN
[54] **METHOD TO ENHANCE THE EFFICIENCY OF SYSTEMIC AAV GENE DELIVERY TO THE CENTRAL NERVOUS SYSTEM**
[54] **PROCEDE POUR AMELIORER L'EFFICACITE DE L'ADMINISTRATION AU SYSTEME NERVEUX CENTRAL D'UN GENE AAV PAR VOIE SYSTEMIQUE**
[72] ESTEVES, MIGUEL SENA, US
[72] BATISTA, ANA RITA, US
[72] CHOUDHURY, SOURAV ROY, US
[71] UNIVERSITY OF MASSACHUSETTS, US
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[25] EN
[54] **STORAGE OF VIRTUAL REALITY VIDEO IN MEDIA FILES**
[54] **STOCKAGE D'UNE VIDEO DE REALITE VIRTUELLE DANS DES FICHIERS MULTIMEDIAS**
[72] WANG, YE-KUI, US
[72] HENDRY, FNU, US
[72] KARCZEWICZ, MARTA, US
[71] QUALCOMM INCORPORATED, US
[85] 2018-07-18
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[25] EN
[54] **PSMA AND CD3 BISPECIFIC T CELL ENGAGING ANTIBODY CONSTRUCTS**
[54] **CONSTRUCTIONS D'ANTICORPS IMPLIQUANT DES CELLULES T BISPECIFIQUES PSMA ET CD3**
[72] RAUM, TOBIAS, DE
[72] MUENZ, MARKUS, DE
[72] BROZY, JOHANNES, DE
[72] KUFER, PETER, DE
[72] HOFFMANN, PATRICK, DE
[72] FRIEDRICH, MATTHIAS, DE
[72] RATTEL, BENNO, DE
[72] BOGNER, PAMELA, DE
[72] WOLF, ANDREAS, DE
[72] POMPE, CORNELIUS, DE
[71] AMGEN RESEARCH (MUNICH) GMBH, DE
[85] 2018-07-19
[86] 2017-02-02 (PCT/EP2017/052239)
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[25] EN
[54] **AAV-IDUA VECTOR FOR TREATMENT OF MPS I-ASSOCIATED BLINDNESS**
[54] **VECTEUR AAV-IDUA POUR LE TRAITEMENT DE LA CECITE ASSOCIEE A LA MPS I**
[72] HIRSCH, MATTHEW LOUIS, US
[72] SAMULSKI, RICHARD JUDE, US
[71] THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL, US
[85] 2018-07-18
[86] 2017-02-22 (PCT/US2017/018829)
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[51] **Int.Cl. B65H 45/24 (2006.01) B65H 45/28 (2006.01)**
[25] EN
[54] **AN INTERLEAVING UNIT, AND METHOD FOR INTERLEAVING A SUCCESSION OF SHEETS**
[54] **UNITE D'INTERCALAGE ET PROCEDE D'INTERCALAGE D'UNE SUCCESSION DE FEUILLES**
[72] LUPI, GIUSEPPE, IT
[72] GIOMETTI, GIANLUCA, IT
[72] TORRI, ANGELO, IT
[71] UNITED CONVERTING S.R.L., IT
[85] 2018-07-19
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[25] EN
[54] **TARGETING LIGANDS FOR THERAPEUTIC COMPOUNDS**
[54] **LIGANDS DE CIBLAGE POUR COMPOSES THERAPEUTIQUES**
[72] ROZEMA, DAVID B., US
[72] WAKEFIELD, DARREN H., US
[72] BLOKHIN, ANDREI V., US
[72] BENSON, JONATHAN D., US
[72] LI, ZHEN, US
[72] PEI, TAO, US
[72] FLEITZ, FRED, US
[71] ARROWHEAD PHARMACEUTICALS, INC., US
[85] 2018-07-18
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[87] (WO2017/156012)
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[25] EN
[54] **TUMOR-ASSOCIATED DENDRITIC CELL PREPARATIONS AND USES THEREOF**
[54] **PREPARATIONS DE CELLULES DENDRITIQUES ASSOCIEES AUX TUMEURS ET LEURS UTILISATIONS**
[72] VAN GINDERACHTER, JO, BE
[72] LAOUI, DAMYA, BE
[72] KEIRSSE, JIRI, BE
[72] GUILLIAMS, MARTIN, BE
[71] VRIJE UNIVERSITEIT BRUSSEL, BE
[71] VIB VZW, BE
[71] UNIVERSITEIT GENT, BE
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[25] EN
[54] **METHODS FOR TREATING ER+, HER2-, HRG+ BREAST CANCER USING COMBINATION THERAPIES COMPRISING AN ANTI-ERBB3 ANTIBODY**
[54] **METHODES DE TRAITEMENT DU CANCER DU SEIN ER+, HER2- HRG+ A L'AIDE DE TRAITEMENTS D'ASSOCIATION COMPORTANT UN ANTICORPS ANTI-ERBB3**
[72] CZIBERE, AKOS, US
[72] FINN, GREGORY J., US
[72] ZHANG, HONG, US
[71] MERRIMACK PHARMACEUTICALS, INC., US
[85] 2018-07-18
[86] 2017-03-15 (PCT/US2017/022517)
[87] (WO2017/160990)
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[30] US (62/356,127) 2016-06-29
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[13] A1
[51] **Int.Cl. B23K 26/242 (2014.01) B23K 26/21 (2014.01) C22C 38/00 (2006.01)**
[25] EN
[54] **LASER-WELDED SHAPED STEEL AND METHOD FOR PRODUCING SAME**
[54] **ACIER PROFILE SOUDE AU LASER ET SON PROCEDE DE PRODUCTION**
[72] IENARI, TORU, JP
[72] SAKURADA, YASUHIRO, JP
[72] ASADA, HIROSHI, JP
[71] NISSHIN STEEL CO., LTD., JP
[85] 2018-07-19
[86] 2016-09-09 (PCT/JP2016/076650)
[87] (WO2017/141470)
[30] JP (2016-027285) 2016-02-16
[30] JP (2016-089403) 2016-04-27

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[13] A1
[51] **Int.Cl. A61M 11/00 (2006.01) A61M 15/06 (2006.01)**
[25] EN
[54] **ATOMIZING ASSEMBLY FOR USE IN AN AEROSOL-GENERATING SYSTEM**
[54] **ENSEMBLE D'ATOMISATION DESTINE A ETRE UTILISE DANS UN SYSTEME DE GENERATION D'AEROSOL**
[72] MANCA, LAURENT, CH
[72] BATISTA, RUI NUNO, CH
[71] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2018-07-19
[86] 2017-02-23 (PCT/EP2017/054243)
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[30] EP (16163421.7) 2016-03-31

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[51] **Int.Cl. C22B 23/00 (2006.01) B01D 53/14 (2006.01) B08B 9/08 (2006.01) C22B 3/08 (2006.01) C22B 3/44 (2006.01)**
[25] EN
[54] **METHOD FOR REMOVING RESIDUAL HYDROGEN SULFIDE**
[54] **PROCEDE D'ELIMINATION DE SULFURE D'HYDROGENE RESIDUEL**
[72] FUKE, TOMONAO, JP
[72] OISHI, TAKAO, JP
[71] SUMITOMO METAL MINING CO., LTD., JP
[85] 2018-07-19
[86] 2017-01-11 (PCT/JP2017/000602)
[87] (WO2017/130693)
[30] JP (2016-014137) 2016-01-28

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[51] **Int.Cl. F16B 13/06 (2006.01)**
[25] EN
[54] **EXPANSION ANCHOR WITH CLIPPED EXPANSION PART**
[54] **ANCRE EXTENSIBLE MUNIE D'UN ELEMENT D'EXTENSION ENCLIQUETE SUR CELLE-CI**
[72] SHIMAHARA, HIDEKI, CH
[72] WACHTER, CHRISTIAN, AT
[71] HILTI AKTIENGESELLSCHAFT, LI
[85] 2018-07-19
[86] 2017-01-24 (PCT/EP2017/051358)
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[30] EP (16152678.5) 2016-01-26

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[51] **Int.Cl. A24F 47/00 (2006.01)**
[25] EN
[54] **AEROSOL GENERATING SYSTEM WITH SEPARATE CAPSULE AND VAPORIZING UNIT**
[54] **SYSTEME DE GENERATION D'AEROSOL AVEC CAPSULE ET UNITE DE VAPORISATION SEPAREES**
[72] FORCE, ERIC, CH
[71] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2018-07-19
[86] 2017-02-24 (PCT/EP2017/054411)
[87] (WO2017/167511)
[30] EP (16163373.0) 2016-03-31

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[51] **Int.Cl. H01L 35/32 (2006.01) G01J 5/12 (2006.01)**
[25] FR
[54] **THERMOELECTRIC DEVICE**
[54] **DISPOSITIF THERMOELECTRIQUE**
[72] BOURGEOIS, OLIVIER, FR
[72] TAINOFF, DIMITRI, FR
[72] BOURGAULT, DANIEL, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[85] 2018-07-19
[86] 2017-02-13 (PCT/FR2017/050324)
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[30] FR (1651336) 2016-02-18

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[51] **Int.Cl. A24F 47/00 (2006.01)**
[25] EN
[54] **AIRFLOW IN AEROSOL GENERATING SYSTEM WITH MOUTHPIECE**
[54] **FLUX D'AIR DANS UN SYSTEME DE GENERATION D'AEROSOL A EMBOUT BUCCAL**
[72] FORCE, ERIC, CH
[71] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2018-07-19
[86] 2017-02-24 (PCT/EP2017/054414)
[87] (WO2017/167512)
[30] EP (16163361.5) 2016-03-31

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[51] **Int.Cl. A61K 8/97 (2017.01) A61K 8/64 (2006.01) A61Q 19/00 (2006.01) A61Q 19/08 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATING AGED SKIN**
[54] **PROCEDES ET COMPOSITIONS POUR LE TRAITEMENT DU VIEILLISSEMENT CUTANE**
[72] PERNODET, NADINE, US
[72] CORALLO, KRYSTLE, US
[72] LAYMAN, DAWN, US
[72] COLLINS, DONALD, US
[71] ELC MANAGEMENT LLC, US
[85] 2018-07-19
[86] 2017-01-04 (PCT/US2017/012133)
[87] (WO2017/127231)
[30] US (15/002,878) 2016-01-21

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[13] A1
[51] **Int.Cl. A61C 5/55 (2017.01)**
[25] EN
[54] **METHOD FOR SEALING OF A CANAL**
[54] **PROCEDE DE SCELLEMENT D'UN CANAL**
[72] ERTL, THOMAS, DE
[72] DIEBOLDER, ROLF, DE
[71] DENTSPLY SIRONA INC., US
[71] DEGUDENT GMBH, DE
[85] 2018-07-19
[86] 2017-03-22 (PCT/EP2017/056753)
[87] (WO2017/162706)
[30] EP (16161539.8) 2016-03-22
[30] EP (16184965.8) 2016-08-19

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[13] A1
[51] **Int.Cl. G01K 1/14 (2006.01) G01K 13/02 (2006.01) G01K 17/06 (2006.01)**
[25] EN
[54] **NON-INTRUSIVE PROCESS FLUID TEMPERATURE CALCULATION SYSTEM**
[54] **SYSTEME NON INTRUSIF DE CALCUL DE TEMPERATURE DE FLUIDE DE TRAITEMENT**
[72] KUZNETSOV, YURI NICKOLAYEVICH, RU
[72] RUD, JASON H., US
[72] GARIPOV, SAIT SAITOVICH, RU
[72] KRIVONOGOV, ALEKSEY ALEKSANDROVICH, RU
[72] FOMCHENKO, SERGEY ANDREYEVICH, RU
[72] REPYEVSKY, VLADIMIR VICTOROVICH, RU
[71] ROSEMOUNT INC., US
[85] 2018-07-19
[86] 2016-01-25 (PCT/RU2016/000020)
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[51] **Int.Cl. A61F 2/28 (2006.01) A61F 2/30 (2006.01) A61F 2/46 (2006.01)**
[25] EN
[54] **SPLITTING ATTACHMENT FOR GRAFT CONTAINMENT CAGE**
[54] **DIVISION DE FIXATION POUR CAGE DE CONFINEMENT DE GREFFON**
[72] DANIEL, STEFFAN, CH
[72] FURRER, ANDRE, CH
[72] BOSSHARD, SIMON, CH
[71] DEPUY SYNTHES PRODUCTS, INC., US
[85] 2018-07-19
[86] 2017-01-18 (PCT/US2017/013843)
[87] (WO2017/132013)
[30] US (62/288,257) 2016-01-28

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[51] **Int.Cl. G06F 3/01 (2006.01) G06F 3/0362 (2013.01) G06F 3/02 (2006.01) H01H 3/08 (2006.01) H01H 19/14 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR CONTROLLING A TEXTURE OF A SURFACE**
[54] **PROCEDE ET APPAREIL PERMETTANT DE REGULER UNE TEXTURE D'UNE SURFACE**
[72] KERR, STEVEN JOHN, MY
[72] AHSAN, MOHD WARDI ISWALI, MY
[71] MOTOROLA SOLUTIONS, INC., US
[85] 2018-07-19
[86] 2017-01-19 (PCT/US2017/014053)
[87] (WO2017/132042)
[30] US (15/009,694) 2016-01-28

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[13] A1
[51] **Int.Cl. F21S 8/08 (2006.01) F21S 2/00 (2016.01) F21K 9/00 (2016.01)**
[25] EN
[54] **LIGHT FIXTURE WITH SHIELDED OPTIC**
[54] **APPAREIL D'ECLAIRAGE AYANT UNE OPTIQUE BLINDEE**
[72] NANKIL, ROBERT R., US
[71] HUBBELL INCORPORATED, US
[85] 2018-07-19
[86] 2017-01-18 (PCT/US2017/013898)
[87] (WO2017/127408)
[30] US (62/280,288) 2016-01-19

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[51] **Int.Cl. F21V 14/02 (2006.01) F21S 8/08 (2006.01) F21V 14/04 (2006.01) F21V 17/00 (2006.01) F21V 21/14 (2006.01) F21V 21/30 (2006.01) F21K 9/00 (2016.01)**
[25] EN
[54] **LIGHT FIXTURE WITH PIVOTABLE OPTIC**
[54] **LUMINAIRE AVEC OPTIQUE PIVOTANT**
[72] NEUER, MICHAEL S., US
[72] DAL PONTE, DEAN B., US
[71] HUBBELL INCORPORATED, US
[85] 2018-07-19
[86] 2017-01-18 (PCT/US2017/013906)
[87] (WO2017/127412)
[30] US (62/280,278) 2016-01-19

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[13] A1
[51] **Int.Cl. H04W 16/12 (2009.01) H04W 40/02 (2009.01)**
[25] EN
[54] **ACCESS POINT NAME DETERMINATION FOR MISSION CRITICAL SERVICES**
[54] **DETERMINATION DE NOM DE POINT D'ACCES POUR DES SERVICES ESSENTIELS A LA MISSION**
[72] RUSSELL, NICHOLAS JAMES, GB
[72] HOLE, DAVID PHILIP, GB
[72] BUCKLEY, ADRIAN, US
[71] BLACKBERRY LIMITED, CA
[85] 2018-07-19
[86] 2017-01-20 (PCT/US2017/014323)
[87] (WO2017/127673)
[30] US (62/286,178) 2016-01-22

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[13] A1
[51] **Int.Cl. A23L 13/40 (2016.01) A23L 13/10 (2016.01) A23J 3/04 (2006.01) A23L 2/66 (2006.01)**
[25] EN
[54] **MEAT SNACKS, JERKY, JERKY SAUSAGE AND METHODS OF THEIR MAKING AND USE**
[54] **VIANDE SECHEE, SAUCISSE DE VIANDE SECHEE, EN-CAS A BASE DE VIANDE ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**
[72] CAPPOZZO, JACK C., US
[72] LYNCH, STEPHANIE, US
[71] INTERNATIONAL DEHYDRATED FOODS, INC., US
[85] 2018-07-19
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[87] (WO2017/127770)
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[54] **NAIL PLATE GROWTH GUIDE SURGICAL IMPLANTATION KIT**
[54] **KIT D'IMPLANTATION CHIRURGICAL DE GUIDE DE CROISSANCE DE LIMBE**
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[71] MIKI, ROBERTO AUGUSTO, US
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[25] EN
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[54] **GENERATEUR D'ENERGIE ELECTRIQUE THERMOPHOTOVOLTAIQUE**
[72] MILLS, RANDELL LEE, US
[71] BRILLIANT LIGHT POWER, INC., US
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[25] EN
[54] **FABRICATION OF COMPLEX-SHAPED COMPOSITE STRUCTURES**
[54] **FABRICATION DE STRUCTURES COMPOSITES DE FORME COMPLEXE**
[72] NEWTON, SAM, GB
[72] HILL, SAMUEL J., GB
[71] CYTEC INDUSTRIES INC., US
[85] 2018-07-19
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[25] EN
[54] **METHOD AND APPARATUS FOR A RETAIL SHOPPING FACILITY INCLUDING OPTIONAL USE OF A 3D SCANNER**
[54] **PROCEDE ET APPAREIL POUR UNE INSTALLATION DE VENTE AU DETAIL COMPRENANT L'UTILISATION FACULTATIVE D'UN SCANNER 3D**
[72] HIGH, DONALD R., US
[72] KAUFMAN, CHARLES P., US
[72] ATCHLEY, MICHAEL D., US
[71] WALMART APOLLO, LLC, US
[85] 2018-07-19
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[25] EN
[54] **WET WIPES CONTAINING HYDROXY ACETOPHENONE AND COCAMIDOPROPYL PG-DIMONIUM CHLORIDE PHOSPHATE**
[54] **LINGETTES HUMIDES CONTENANT DE L'HYDROXY-ACETOPHENONE ET DU PHOSPHATE DE CHLORURE DE COCAMIDOPROPYL-PG-DIMONIUM**
[72] SHARIF, ZAHID, I., US
[72] COLE, DOUGLAS B., US
[71] ROCKLINE INDUSTRIES, US
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[54] **UTILITY VEHICLE WITH SIDE RESTRAINT**
[54] **VEHICULE UTILITAIRE COMPORTANT UN ELEMENT DE RETENUE LATERAL**
[72] DECKARD, AARON D., US
[72] ERSPAMER, BRENT A., US
[72] PETERSON, SHAWN D., US
[71] POLARIS INDUSTRIES INC., US
[85] 2018-07-19
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[54] **TREATMENT FOR MODULATING GUT MICROBIOTA**
[54] **TRAITEMENT POUR LA MODULATION DU MICROBIOTE INTESTINAL**
[72] HALPERN, MAYA, IL
[72] BAHARAFF, ALLEN, IL
[71] GALMED RESEARCH AND DEVELOPMENT LTD., IL
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[25] EN
[54] **HIGH-PROTEIN COMPOSITIONS AND METHODS OF THEIR MAKING AND USE**
[54] **COMPOSITIONS A HAUTE TENEUR EN PROTEINES ET LEURS PROCEDES DE PREPARATION ET D'UTILISATION**
[72] CAPPOZZO, JACK C., US
[71] INTERNATIONAL DEHYDRATED FOODS, INC., US
[85] 2018-07-19
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[54] **PINCE SANITAIRE DE TYPE A CAME**
[72] FLOYD, MICHAEL G., US
[71] FLOYD, MICHAEL G., US
[85] 2018-07-18
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[54] **DELIVERY OF BOTULINUM WITH MICRONEEDLE ARRAYS**
[54] **ADMINISTRATION DE BOTULINE A L'AIDE DE MATRICES DE MICRO-AIGUILLES**
[72] KASPAR, ROGER L., US
[72] SPEAKER, TYCHO, US
[71] TRANSDERM INC., US
[85] 2018-07-19
[86] 2017-01-23 (PCT/US2017/014628)
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[25] EN
[54] **ORAL OCTREOTIDE FOR THE TREATMENT OF DISEASE**
[54] **OCTREOTIDE PAR VOIE ORALE POUR LE TRAITEMENT DE MALADIES**
[72] MAMLUK, RONI, IL
[72] PATOU, GARY, US
[72] GELBAUM, DANA, IL
[72] HAVIV, ASI, IL
[71] CHIASMA INC., US
[85] 2018-07-19
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[30] US (62/299,607) 2016-02-25
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[54] **ORGANIC COMPOUNDS**
[54] **COMPOSES ORGANIQUES**
[72] YAO, WEI, US
[72] LI, PENG, US
[71] INTRA-CELLULAR THERAPIES, INC., US
[85] 2018-07-19
[86] 2017-01-26 (PCT/US2017/015178)
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[25] EN
[54] **CARTON HAVING DISPENSING FEATURE AND BLANK THEREFOR**
[54] **CARTON DOTE D'UNE FONCTIONNALITE DE DISTRIBUTION ET EBAUCHE DE CELUI-CI**
[72] ZACHERLE, MATTHEW E., US
[71] WESTROCK PACKAGING SYSTEMS, LLC, US
[85] 2018-07-19
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[25] EN
[54] **SYSTEMS AND METHODS FOR MONITORING AND DIAGNOSING TRANSFORMER HEALTH**
[54] **SYSTEMES ET PROCEDES DE SURVEILLANCE ET DE DIAGNOSTIC DE SANTE DE TRANSFORMATEUR**
[72] PAMULAPARTHY, BALAKRISHNA, IN
[72] MUTHUKRISHNAN, VIJAYASARATHI, CA
[72] VINAYAGAM, BALAMOUROUGAN, CA
[72] SEVOV, LUBOMIR, CA
[71] GENERAL ELECTRIC COMPANY, US
[85] 2018-07-19
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[25] EN
[54] **HYDROPHOBIC TOPICAL COMPOSITIONS**
[54] **COMPOSITIONS TOPIQUES HYDROPHOBES**
[72] SANOGUEIRA, JAMES, US
[72] ZHENG, TAO, US
[71] EDGEWELL PERSONAL CARE BRANDS, LLC, US
[85] 2018-07-19
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[30] US (62/281,854) 2016-01-22

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[25] EN
[54] **METHODS FOR IMPROVING LOADING RATIO OF HYDROGEN GAS**
[54] **PROCEDES D'AMELIORATION DE RAPPORT DE CHARGE DE GAZ D'HYDROGENE**
[72] BURGESS, DARREN R., US
[72] GREENWALD, MICHAEL RAYMOND, US
[72] BARBEE, BRENT W., US
[71] IH IP HOLDINGS LIMITED, GB
[85] 2018-07-19
[86] 2017-01-23 (PCT/US2017/014558)
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[30] US (62/281,392) 2016-01-21
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[51] **Int.Cl. G06F 19/00 (2018.01) G06K 9/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR IMPROVING DISEASE DIAGNOSIS**
[54] **SYSTEMES ET PROCEDES PERMETTANT D'AMELIORER UN DIAGNOSTIC DE MALADIE**
[72] FUKSENKO, YURIY, US
[72] SAUL, RICHARD, US
[72] KRASIK, GALINA, US
[72] MAREFAT, MOHSEN, US
[72] LINGENFELTER, KEITH, US
[71] OTRACES INC., US
[85] 2018-07-19
[86] 2017-01-23 (PCT/US2017/014595)
[87] (WO2017/127822)
[30] US (62/281,797) 2016-01-22

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[51] **Int.Cl. G01N 33/38 (2006.01) G01N 11/00 (2006.01) G01N 25/16 (2006.01)**
[25] EN
[54] **SYSTEMS, APPARATUS AND METHODS FOR OBTAINING MEASUREMENTS CONCERNING THE STRENGTH AND PERFORMANCE OF CONCRETE MIXTURES**
[54] **SYSTEMES, APPAREIL ET PROCEDES D'OBTENTION DE MESURES CONCERNANT LA RESISTANCE ET LA PERFORMANCE DE PATES DE BETON**
[72] RADJY, FARROKH F., US
[71] QUIPIP, LLC, US
[85] 2018-07-19
[86] 2017-01-24 (PCT/US2017/014756)
[87] (WO2017/132154)
[30] US (62/287,072) 2016-01-26
[30] US (62/343,587) 2016-05-31
[30] US (62/356,354) 2016-06-29

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[51] **Int.Cl. C12M 1/00 (2006.01) C12M 1/26 (2006.01) C12M 1/28 (2006.01) C12M 1/34 (2006.01) C12Q 1/04 (2006.01) C12Q 1/68 (2018.01) C12Q 1/70 (2006.01)**
[25] EN
[54] **RAPID ANTIMICROBIAL SUSCEPTIBILITY TESTING USING HIGH-SENSITIVITY DIRECT DETECTION METHODS**
[54] **ANTIBIOGRAMME RAPIDE EFFECTUE AU MOYEN DE PROCEDES DE DETECTION DIRECTE A HAUTE SENSIBILITE**
[72] LOWERY, THOMAS JAY, JR., US
[72] PFALLER, MICHAEL ANDY, US
[72] DHANDA, RAHUL KRISHAN, US
[72] MCDONOUGH, JOHN J., US
[72] MAGNUSON, GLENN, US
[72] NEELY, LORI ANNE, US
[72] THOMANN, ULRICH HANS, US
[72] HARRIS, WILLIAM COULTER, US
[72] BLACK, JUSTIN LAYNE, US
[71] T2 BIOSYSTEMS, INC., US
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[30] US (62/281,603) 2016-01-21

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[51] **Int.Cl. A61N 1/02 (2006.01)**
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[54] **SYSTEMS, METHODS AND DEVICES FOR PERIPHERAL NEUROMODULATION FOR TREATING DISEASES RELATED TO OVERACTIVE BLADDER**
[54] **SYSTEMES, PROCEDES ET DISPOSITIFS DE NEUROMODULATION PERIPHERIQUE POUR LE TRAITEMENT DE MALADIES ASSOCIEES A UNE HYPERACTIVITEVESICALE**
[72] WONG, SERENA HANYING, US
[72] ROSENBLUTH, KATHRYN H., US
[72] HAMNER, SAMUEL RICHARD, US
[72] LIN, PETER, US
[72] PLESS, BENJAMIN, US
[71] CALA HEALTH, INC., US
[85] 2018-07-18
[86] 2017-01-20 (PCT/US2017/014431)
[87] (WO2017/132067)
[30] US (62/281,606) 2016-01-21
[30] US (62/352,462) 2016-06-20
[30] US (62/365,326) 2016-07-21

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[54] **WEATHER-BASED INDUSTRY ANALYSIS SYSTEM**
[54] **SYSTEME D'ANALYSE INDUSTRIELLE BASE SUR LES CONDITIONS METEOROLOGIQUES**
[72] ROOT, MICHAEL R., US
[72] MYERS, JOEL N., US
[72] MYERS, BARRY LEE, US
[72] CANDOR, JAMES T., US
[72] SMITH, STEVEN, US
[72] PORTER, JONATHAN, US
[72] CALLIS, CARLA JOHNSON, US
[71] ACCUWEATHER, INC., US
[85] 2018-07-19
[86] 2017-01-25 (PCT/US2017/014881)
[87] (WO2017/132225)
[30] US (15/011,103) 2016-01-29

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[54] **SHOULDER ARTHROPLASTY IMPLANT SYSTEM**
[54] **SYSTEME D'IMPLANT POUR ARTHROPLASTIE DE L'EPAULE**
[72] HATZIDAKIS, ARMODIOS M., US
[72] HOENECKE, HEINZ R., JR., US
[72] JACOBSON, SCOTT R., US
[72] MILLER, DREW, US
[72] D'LIMA, DARRYL, US
[72] SKINNER, NATHANIEL E., US
[72] KELLY, JAMES D., II, US
[71] CONSORTIUM OF FOCUSED ORTHOPEDISTS, LLC, US
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[25] EN
[54] **USE OF SGC STIMULATORS FOR THE TREATMENT OF NONALCOHOLIC STEATOHEPATITIS (NASH)**
[54] **UTILISATION DE STIMULATEURS DE LA SGC POUR LE TRAITEMENT D'UNE STEATOHEPATITE NON ALCOOLIQUE (SHNA)**
[72] IM, G-YOON JAMIE, US
[72] CURRIE, MARK G., US
[72] SHEPPECK, JAMES EDWARD, US
[72] RENHOWE, PAUL ALLAN, US
[72] GE, PEI, US
[72] MASFERRER, JAIME L., US
[71] IRONWOOD PHARMACEUTICALS, INC., US
[85] 2018-07-19
[86] 2017-01-31 (PCT/US2017/015749)
[87] (WO2017/136309)
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[25] EN
[54] **SENSING DEVICE, SENSING DEVICE SYSTEM, AND METHODS FOR MEASURING A CHARACTERISTIC OF A CONCRETE MIXTURE AND FOR PREDICTING A PERFORMANCE CHARACTERISTIC OF A CONCRETE MIXTURE**
[54] **DISPOSITIF DE DETECTION, SYSTEME DE DISPOSITIF DE DETECTION, ET PROCEDES POUR MESURER UNE CARACTERISTIQUE DE MELANGE DE BETON ET PREDIRE UNE CARACTERISTIQUE DE PERFORMANCE DE MELANGE DE BETON**
[72] RADJY, FARROKH F., US
[71] QUIPIP, LLC, US
[85] 2018-07-19
[86] 2017-01-31 (PCT/US2017/015780)
[87] (WO2017/136324)
[30] US (62/289,723) 2016-02-01
[30] US (62/343,635) 2016-05-31
[30] US (62/356,378) 2016-06-29

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[25] EN
[54] **MULTIPLE PULSE, LIDAR BASED 3-D IMAGING**
[54] **IMAGERIE 3D LIDAR A IMPULSIONS MULTIPLES**
[72] HALL, DAVID S., US
[72] KERSTENS, PIETER J., US
[71] VELODYNE LIDAR, INC., US
[85] 2018-07-19
[86] 2017-01-31 (PCT/US2017/015869)
[87] (WO2017/132703)
[30] US (62/289,277) 2016-01-31
[30] US (15/339,790) 2016-10-31

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[51] **Int.Cl. C12N 5/0783 (2010.01) C12N 5/074 (2010.01) C12N 5/02 (2006.01)**
[25] EN
[54] **METHODS FOR ENHANCING PROLIFERATION OF T REGULATORY CELLS**
[54] **PROCEDES D'ACTIVATION DE LA PROLIFERATION DE CELLULES REGULATRICES T**
[72] DEANS, ROBERT J., US
[72] READING, JAMES, GB
[72] STUBBLEFIELD, SAMANTHA, US
[72] TREE, TIMOTHY, GB
[71] ABT HOLDING COMPANY, US
[71] KING'S COLLEGE LONDON, GB
[71] DEANS, ROBERT J., US
[71] READING, JAMES, GB
[71] STUBBLEFIELD, SAMANTHA, US
[71] TREE, TIMOTHY, GB
[85] 2018-04-09
[86] 2015-10-09 (PCT/US2015/054941)
[87] (WO2017/062035)

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[51] **Int.Cl. E21B 17/01 (2006.01) E21B 19/00 (2006.01)**
[25] EN
[54] **DEVICE FOR TERMINATION OF A RISER IN A FLOATING STRUCTURE**
[54] **DISPOSITIF DE TERMINAISON D'UNE COLONNE MONTANTE DANS UNE STRUCTURE FLOTTANTE**
[72] ASKESTAD, SIGMUND, NO
[71] APL TECHNOLOGY AS, NO
[85] 2018-07-18
[86] 2017-01-12 (PCT/NO2017/000002)
[87] (WO2017/131526)
[30] NO (20160126) 2016-01-27

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[51] **Int.Cl. C07D 317/36 (2006.01) C07C 68/06 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PREPARATION OF GLYCEROL CARBONATE**
[54] **PROCEDE DE PREPARATION DE CARBONATE DE GLYCEROL**
[72] COLEMAN, FERGAL, GB
[72] TYRRELL, SOPHIE, GB
[72] ATKINS, MARTIN PHILIP, GB
[72] UGALDE, ALBERT FERRER, GB
[72] SCARLATA, IGNAZIO, GB
[72] DELAVOUX, YOAN, GB
[71] THE QUEEN'S UNIVERSITY OF BELFAST, GB
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[54] **SERINGUE A AIGUILLE RETRACTABLE AVEC MODULE DE LIBERATION DE PROPULSEUR MONOBLOC**
[72] WOLOSCHUK, RALPH E., CA
[72] CASTANON, SCOTT E., US
[72] TERRY, WARREN MARC, US
[71] L.O.M. LABORATORIES INC., CA
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[54] **METHOD OF MAKING A COMPOSITION OF AN ALKANOLAMINE ALKYLAMIDE AND A POLYOL**
[54] **PROCEDE DE PRODUCTION D'UNE COMPOSITION D'UN ALCANOLAMINE ALKYLAMIDE ET D'UN POLYOL**
[72] BEVINAKATTI, HANAMANTHSA, US
[72] WHITE, KAREN LEE, US
[71] AKZO NOBEL CHEMICALS INTERNATIONAL B.V., NL
[85] 2018-07-19
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[54] **VIRUS DE LA BRONCHITE INFECTIEUSE ATTENUE**
[72] BICKERTON, ERICA, GB
[72] KEEP, SARAH, GB
[72] BRITTON, PAUL, GB
[71] THE PIRBRIGHT INSTITUTE, GB
[85] 2018-07-19
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[54] **SYNERGISTIC EFFECTS OF ALKANOLAMINE ALKYLAMIDES AND OTHER MOISTURIZING AGENTS**
[54] **EFFETS SYNERGIQUES D'ALCANOLAMINES-ALKYLAMIDES ET D'AUTRES AGENTS HYDRATANTS**
[72] HE, QIWEI, US
[72] BEVINAKATTI, HANAMANTHSA, US
[71] AKZO NOBEL CHEMICALS INTERNATIONAL B.V., NL
[85] 2018-07-19
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[54] **USE OF ALKANOLAMINE ALKYLAMIDES AS HUMECTANTS**
[54] **UTILISATION D'ALCANOLAMINES-ALKYLAMIDES EN TANT QU'HUMECTANTS**
[72] HE, QIWEI, US
[72] BEVINAKATTI, HANAMANTHSA, US
[71] AKZO NOBEL CHEMICALS INTERNATIONAL B.V., NL
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[54] **METHOD AND APPARATUS FOR TREATING A LEACHING RESIDUE OF A SULFUR-CONTAINING METAL CONCENTRATE**
[54] **PROCEDE ET APPAREIL DE TRAITEMENT D'UN RESIDU DE LIXIVIATION D'UN CONCENTRE DE METAL CONTENANT DU SOUFRE**
[72] GUNTNER, JOCHEN, DE
[72] WROBEL, MACIEJ, DE
[72] STURM, PETER, DE
[72] HAMMERSCHMIDT, JORG, DE
[72] CHARITOS, ALEXANDROS, DE
[71] OUTOTEC (FINLAND) OY, FI
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[54] **PROCEDE RATIONNEL POUR LA FABRICATION PAR LA METALLURGIQUE DES POUDRES DE COMPOSANTS THERMOELECTRIQUES**
[72] RAJIC, ZELJKO, DE
[72] HOCH, SASCHA, DE
[72] KERN, MAGDALENA, DE
[72] STENNER, PATRIK, DE
[72] BUSSE, JENS, DE
[72] GIESSELER, MAREIKE, DE
[72] DEIS, WOLFGANG, DE
[71] EVONIK DEGUSSA GMBH, DE
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[54] **NEW 6-MEMBERED HETEROAROMATIC SUBSTITUTED CYANOINDOLINE DERIVATIVES AS NIK INHIBITORS**
[54] **NOUVEAUX DERIVES DE CYANOINDOLINE A SUBSTITUTION HETEROAROMATIQUE A 6 CHAINONS UTILISES COMME INHIBITEURS DE NIK**
[72] STANSFIELD, IAN, FR
[72] QUEROLLE, OLIVIER ALEXIS GEORGES, FR
[72] GROSS, GERHARD MAX, BE
[72] JACOBY, EDGAR, BE
[72] MEERPOEL, LIEVEN, BE
[72] KULAGOWSKI, JANUSZ JOZEF, GB
[72] MACLEOD, CALUM, GB
[72] MANN, SAMUEL EDWARD, GB
[72] GREEN, SIMON RICHARD, GB
[72] HYND, GEORGE, GB
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[54] **ETUI POUR ARME DE POING DOTE D'UN MOYEN DE BLOCAGE DANS LA ZONE DU PONTET**
[72] PELLEGRINI, PAOLO, IT
[71] RADAR LEATHER DIVISION S.R.L., IT
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[54] **TERMINAL UTILISATEUR, STATION DE BASE SANS FIL, ET PROCEDE DE COMMUNICATION SANS FIL**
[72] TAKEDA, KAZUKI, JP
[72] HARADA, HIROKI, JP
[72] NAGATA, SATOSHI, JP
[71] NTT DOCOMO, INC., JP
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[54] **DISPOSITIF DE PORTE**
[72] ELIZALDE SALEGUI, LUCAS Mª, ES
[71] PUERTAS Y SISTEMAS ANTI INUNDACIONES S.L., ES
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[54] **SYSTEME D'HUMIDIFICATION DE GAZ MEDICAUX**
[72] BOYES, RICHARD JOHN, NZ
[72] FISCHER, CHRISTIAN FRANCIS, NZ
[72] LAUS, CHARLOTTE GRACE, NZ
[72] STOKS, ELMO BENSON, NZ
[71] FISHER & PAYKEL HEALTHCARE LIMITED, NZ
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[54] **MULTIMERES FC D'IGG RECOMBINANTS**
[72] SPIRIG, ROLF, CH
[72] KAESERMANN, FABIAN, CH
[72] ZUERCHER, ADRIAN, CH
[72] PANOUSIS, CON, AU
[72] BAZ MORELLI, ADRIANA, AU
[72] CHEN, CHAO-GUANG, AU
[71] CSL BEHRING RECOMBINANT FACILITY AG, CH
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[54] **AUTONOMOUSLY OPERATING COMPUTERIZED GAMING PLATFORMS AND METHOD OF OPERATING THEREOF**
[54] **EXPLOITATION AUTONOME DE PLATES-FORMES DE JEU INFORMATISEES ET PROCEDE POUR LEUR EXPLOITATION**
[72] FOX, MICHAEL, GB
[72] RAM, ETHAN, IL
[71] PLAYTECH SOFTWARE LIMITED, GB
[85] 2018-07-19
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[54] **MAILLON DE CHAINE POUR CHAINE PORTE-CABLES ET CHAINE PORTE-CABLES**
[72] DOMMNIK, JOERG, DE
[72] STRACK, STEFAN, DE
[72] JAEKER, THILO-ALEXANDER, DE
[72] HERMEY, ANDREAS, DE
[71] IGUS GMBH, DE
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[54] **SIMULATEUR DE SYSTEME RESPIRATOIRE**
[72] MINSKOFF, NOAH MARK, US
[71] INNOVOSCIENCES, LLC, US
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[54] **OPTICAL ALIGNMENT SYSTEM FOR BEAM PUMPING UNIT**
[54] **SYSTEME OPTIQUE D'ALIGNEMENT POUR UNITE DE POMPAGE A BALANCIER**
[72] WHITAKER, JUSTIN HEATH, US
[71] LUFKIN INDUSTRIES, LLC, US
[85] 2018-07-19
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[54] **SYSTEMS AND METHODS FOR IN VIVO DUAL RECOMBINASE-MEDIATED CASSETTE EXCHANGE (DRMCE) AND DISEASE MODELS THEREOF**
[54] **SYSTEMES ET METHODES D'ECHANGE DE CASSETTE A MEDIATION PAR RECOMBINASE DOUBLE (DRMCE) IN VIVO ET MODELES DE MALADIES ASSOCIES**
[72] BREUNIG, JOSHUA, US
[72] DANIELPOUR, MOISE, US
[72] KIM, GI BUM, US
[71] CEDARS-SINAI MEDICAL CENTER, US
[85] 2018-07-19
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[54] **VETEMENT A REGULATION DE TEMPERATURE**
[72] SILVERBERG, MARK, US
[71] SILVERBERG, MARK, US
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[54] **VAPOR RECOVERY SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE RECUPERATION DE VAPEUR**
[72] BAKER, AARON, US
[71] FLOGISTIX, LP, US
[85] 2018-07-19
[86] 2017-01-18 (PCT/US2017/013942)
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[51] **Int.Cl. F16L 23/08 (2006.01) F16L 21/06 (2006.01)**
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[54] **PIPE ELEMENT HAVING WEDGING GROOVE**
[54] **ELEMENT DE TUYAU AYANT UNE RAINURE DE SOUDAGE**
[72] MADARA, SCOTT D., US
[72] SHAH, AMIT R., US
[72] DOLE, DOUGLAS R., US
[71] VICTAULIC COMPANY, US
[85] 2018-07-19
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[51] **Int.Cl. C07D 498/04 (2006.01) C07C 215/78 (2006.01)**
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[54] **PROCESS FOR THE PREPARATION OF AN ANTIBODY-RIFAMYCIN CONJUGATE**
[54] **PROCEDE DE PREPARATION D'UN CONJUGUE ANTICORPS-RIFAMYCINE**
[72] BACHMANN, STEPHAN, CH
[72] FANTASIA, SERENA MARIA, CH
[72] JANSEN, MICHAEL, CH
[72] KOENIG, STEFAN, US
[72] LINGHU, XIN, US
[72] RIETH, SEBASTIAN, CH
[72] SEGRAVES, NATHANIEL L., US
[72] ZOGG, ANDREAS, CH
[71] GENENTECH, INC., US
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[51] **Int.Cl. D01D 5/098 (2006.01) D04H 3/16 (2006.01)**
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[54] **DEVICE FOR PRODUCING SPUNBONDED WEBS**
[54] **DISPOSITIF DE PRODUCTION DE NAPPES FILEES-LIEES**
[72] NITSCHKE, MICHAEL, DE
[72] SWIATEK, MARTIN, DE
[72] NEUENHOFER, MARTIN, DE
[72] GEUS, HANS-GEORG, DE
[72] FREY, DETLEF, DE
[71] REIFENHAUSER GMBH & CO. KG MASCHINENFABRIK, DE
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[54] **WIRELESS BACKHAUL FOR WIRELESS RELAYS IN A DATA COMMUNICATION NETWORK**
[54] **LIAISON TERRESTRE SANS FIL POUR DES RELAIS SANS FIL DANS UN RESEAU DE COMMUNICATION DE DONNEES**
[72] FANG, ZHENG, US
[71] SPRINT COMMUNICATIONS COMPANY L.P., US
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[13] A1
[51] **Int.Cl. G01C 21/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR STRUCTURAL INSPECTION AND CONSTRUCTION ESTIMATION USING AN UNMANNED AERIAL VEHICLE**
[54] **SYSTEME ET PROCEDE POUR INSPECTION ET ESTIMATION DE CONSTRUCTION POUR UNE STRUCTURE A L'AIDE D'UN VEHICULE AERIEN SANS PILOTE**
[72] MARRA, MARTIN, US
[72] SMYTH, JAMES F., US
[71] EZ3D, LLC, US
[71] MARRA, MARTIN, US
[71] SMYTH, JAMES F., US
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[86] 2017-01-20 (PCT/US2017/014380)
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[54] **REDUCED FORM FACTOR ORAL IRRIGATOR**
[54] **IRRIGATEUR BUCCAL A FACTEUR DE FORME REDUIT**
[72] SENFF, OSCAR, US
[72] WAGNER, ROBERT, US
[71] WATER PIK, INC., US
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[86] 2017-01-25 (PCT/US2017/014985)
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[54] **MERGING FILTERS FOR MULTIPLE CLASSES OF BLOCKS FOR VIDEO CODING**
[54] **FUSION DE FILTRES POUR DE MULTIPLES CLASSES DE BLOCS POUR UN CODAGE VIDEO**
[72] KARCZEWICZ, MARTA, US
[72] CHIEN, WEI-JUNG, US
[72] ZHANG, LI, US
[71] QUALCOMM INCORPORATED, US
[85] 2018-07-19
[86] 2017-02-15 (PCT/US2017/017972)
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[30] US (62/324,776) 2016-04-19
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[25] EN
[54] **A POSITIONING DEVICE MODULE FOR THE RELEASABLE CONNECTION TO A POSITIONING DEVICE, POSITIONING DEVICE, SET AND METHOD**
[54] **MODULE DE DISPOSITIF DE POSITIONNEMENT POUR LA LIAISON DE MANIERE AMOVIBLE A UN DISPOSITIF DE POSITIONNEMENT, DISPOSITIF DE POSTIONNEMENT ET ENSEMBLE**
[72] SCHREIBER, ULRICH, DE
[71] OT MEDIZINTECHNIK GMBH, DE
[85] 2018-07-20
[86] 2017-01-19 (PCT/EP2017/051055)
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[30] DE (10 2016 100 953.9) 2016-01-20
[30] DE (10 2016 110 060.9) 2016-05-31
[30] DE (10 2016 110 153.2) 2016-06-01
[30] DE (10 2016 117 848.9) 2016-09-21
[30] DE (10 2016 117 935.3) 2016-09-22

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[25] EN
[54] **MICROBIAL SYNTHESIS OF ISOPRENOID PRECURSORS, ISOPRENOIDS AND DERIVATIVES INCLUDING PRENYLATED AROMATICS COMPOUNDS**
[54] **SYNTHESE MICROBIENNE DE PRECURSEURS D'ISOPRENOIDES, D'ISOPRENOIDES ET DE DERIVES COMPRENANT DES COMPOSES AROMATIQUES PRENYLES**
[72] GONZALEZ, RAMON, US
[72] CLOMBURG, JAMES M., US
[72] CHEONG, SEOKJUNG, US
[71] WILLIAM MARSH RICE UNIVERSITY, US
[85] 2018-07-19
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[54] **NEUTRALISATION DES VOIES D'INHIBITION DES LYMPHOCYTES**
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[72] BLERY, MATHIEU, FR
[72] DENIS, CAROLINE, FR
[72] PATUREL, CARINE, FR
[72] WAGTMANN, NICOLAI, FR
[71] INNATE PHARMA, FR
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[54] **PLASMA ELECTROLYTIC OXIDATION (PEO) COATED PEELABLE SHIMS**
[54] **CALES REVETUES PELABLES A OXYDATION ELECTROLYTIQUE A PLASMA**
[72] VOSS, PETER, CA
[72] FORREST, STEPHEN, CA
[72] PARAMANATHAN, KAPILAN, CA
[72] SINGH, DEORAM, CA
[71] SHIMCO NORTH AMERICA INC., CA
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[54] **INFLATABLE PENILE PROSTHESIS WITH REVERSIBLE FLOW PUMP ASSEMBLY**
[54] **PROTHESE PENIENNE GONFLABLE COMPRENANT ENSEMBLE POMPE A ECOULEMENT REVERSIBLE**
[72] EVANS, DOUGLAS L., US
[72] JAGGER, KARL A., US
[72] DILORETO, MARK E., US
[71] BOSTON SCIENTIFIC SCIMED, INC., US
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[25] FR
[54] **WASTEWATER TREATMENT PROCESS AND PLANT**
[54] **PROCEDE ET INSTALLATION DE TRAITEMENT DES EAUX USEES**
[72] GONZALEZ OSPINA, ADRIANA, FR
[72] DOMENJOUD, BRUNO, FR
[71] SUEZ INTERNATIONAL, FR
[85] 2018-07-20
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[25] EN
[54] **IGNITER WITH SAFETY PROTECTION DEVICE AND IGNITION CONTROL METHOD THEREFOR**
[54] **ALLUMEUR AVEC DISPOSITIF DE SECURITE ET PROCEDE DE COMMANDE D'ALLUMAGE POUR CELUI-CI**
[72] LIAO, JINLI, CN
[71] WENZHOU UNICLEVER GIFT INNOVATION CO., LTD, CN
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[54] **METHOD FOR PREDICTING THE OUTCOME OF A TREATMENT WITH AFLIBERCEPT OF A PATIENT SUSPECTED TO SUFFER FROM A CANCER BY MEASURING THE LEVEL OF A PLASMA BIOMARKER**
[54] **METHODE DE PREDICTION DU RESULTAT D'UN TRAITEMENT SOUS AFLIBERCEPT CHEZ UN PATIENT SUSPECTE D'ETRE ATTEINT D'UN CANCER EN MESURANT LE TAUX D'UN BIOMARQUEUR PLASMATIQUE**
[72] CHIRON-BLONDEL, MARIELLE, FR
[72] DREYMANN, JENNIFER, FR
[72] PACCARD, CAROLINE, FR
[71] SANOFI, FR
[85] 2018-07-20
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[54] **CHANNEL CONTENTION METHOD AND APPARATUS**
[54] **PROCEDE ET DISPOSITIF DE CONFLIT DE CANAL**
[72] ZENG, LIJUN, CN
[72] FU, WEIXIANG, CN
[72] YOU, YANZHEN, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
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[25] EN
[54] **PREPARATION OF MICRONIZED PARTICLES OF AN ANTIMUSCARINIC COMPOUND BY HYDRODYNAMIC CAVITATION**
[54] **PREPARATION DE PARTICULES MICRONISEES D'UN COMPOSE ANTIMUSCARINIQUE PAR CAVITATION HYDRODYNAMIQUE**
[72] DAVANZO, STEPHEN P, IT
[72] NALL, BARRY E, IT
[72] ROUSE, TIMOTHY J, IT
[72] MIOZZI, MICHELE, IT
[71] CHIESI FARMACEUTICI S.P.A., IT
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[25] EN
[54] **WALNUT OLIGOPEPTIDE POWDER, AND PREPARATION METHOD AND APPLICATION THEREOF**
[54] **POUDRE D'OLIGOPEPTIDES DE NOIX, ET SON PROCEDE DE PREPARATION ET APPLICATION ASSOCIEE**
[72] WANG, ZHAORI, CN
[72] LIU, MINGCHUAN, CN
[72] YANG, SHENGJIE, CN
[72] HONG, DA, CN
[72] YANG, JINPING, CN
[71] SINPHAR TIAN-LI (HANGZHOU) PHARMACY COMPANY LIMITED, CN
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[25] EN
[54] **SMALL MOLECULE COMPOUND COMPOSITION THAT EFFICIENTLY INDUCES DIFFERENTIATION OF HUMAN PLURIPOTENT STEM CELLS INTO MYOCARDIAL CELLS**
[54] **COMPOSITION DE COMPOSE A PETITE MOLECULE QUI INDUIT EFFICACEMENT LA DIFFERENCIATION DE CELLULES SOUCHES MULTIPOTENTES HUMAINES EN CELLULES MYOCARDIQUES**
[72] JING, QING, CN
[72] QIU, XIAOXU, CN
[72] LIU, YANG, CN
[72] ZHANG, YIFAN, CN
[71] SHANGAHI INSTITUTES FOR BIOLOGICAL SCIENCES, CHINESE ACADEMY OF SCIENCES, CN
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[54] **ENSEMBLE INTRODUCTEUR ET SON PROCEDE D'UTILISATION**
[72] JEEVANANDAM, VALLUVAN, US
[72] SMITH, ROBERT, US
[71] NUPULSECV, INC., US
[85] 2018-07-19
[86] 2017-02-02 (PCT/US2017/016196)
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[25] EN
[54] **REMOTE-CONTROLLED UNDERWATER VEHICLE FOR SUCTION OF OIL FROM THE UNDERSIDE OF AN ICE SURFACE**
[54] **VEHICULE SOUS-MARIN TELECOMMANDE DESTINE A ASPIRER DU PETROLE PRESENT SOUS LA FACE INFERIEURE D'UNE CALOTTE DE GLACE**
[72] SCHIEMANN, MARC, DE
[71] THYSSENKRUPP MARINE SYSTEMS GMBH, DE
[71] THYSSENKRUPP AG, DE
[85] 2018-07-20
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[54] **COMPOSITION FOR CLEANING SKIN STRIPS OF SKIN SKIS**
[54] **COMPOSITION POUR NETTOYER DES BANDES DE PEAU DE SKIS A PEAU**
[72] PUUKILAINEN, ESA, FI
[71] VAUHTI SPEED OY, FI
[85] 2018-07-20
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[54] **RECOMBINASE MUTANTS**
[54] **MUTANTS DE RECOMBINASES**
[72] KELLINGER, MATTHEW WILLIAM, US
[71] ILLUMINA, INC., US
[85] 2018-07-19
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[54] **HIGH-EFFICIENCY THERMAL TUBE FOR CONDUCTING FLUIDS**
[54] **TUBE A HAUT RENDEMENT THERMIQUE POUR L'ACHEMINEMENT DE FLUIDES**
[72] SANTOS, MARIO CESAR BATISTA, BR
[72] BRANCO, DOUGLAS KOECH, BR
[71] TECVIX PLANEJAMENTO E SERVICOS EIRELI, BR
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[54] **DISPOSITIF ET PROCEDE DE MISE AU POINT AUTOMATIQUE**
[72] TURGEMAN, SHLOMO, IL
[72] PARAN, YAEL, IL
[72] EFROS, ALEX, IL
[71] IDEA BIOMEDICAL LTD., IL
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[54] **BATEAUX AMPHIBIES**
[72] LAZAREVIC, RANKO, CA
[71] ADRIATIC MACHINE AND TOOL LTD., CA
[85] 2018-07-20
[86] 2017-01-23 (PCT/CA2017/050067)
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[25] EN
[54] **ORGANIC REACTIONS CARRIED OUT IN AQUEOUS SOLUTION IN THE PRESENCE OF A HYDROXYALKYL(ALKYL)CELLULOSE OR AN ALKYLCELLULOSE**
[54] **REACTIONS ORGANIQUES REALISEES DANS UNE SOLUTION AQUEUSE EN PRESENCE D'UNE HYDROXYALKYL(ALKYL)CELLULOSE OU D'UNE ALKYLCELLULOSE**
[72] BRAJE, WILFRIED, DE
[72] BRITZE, KATARINA, DE
[72] DIETRICH, JUSTIN D., US
[72] JOLIT, ANAIS, DE
[72] KASCHEL, JOHANNES, DE
[72] KLEE, JOHANNA, DE
[72] LINDNER, TANJA, DE
[71] ABBVIE DEUTSCHLAND GMBH & CO. KG, DE
[71] ABBVIE INC., US
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[72] FENWICK, CRAIG, CH
[71] MABQUEST SA, CH
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[54] **COMPOSITION FOR IMPROVING PERFORMANCE OF WAXLESS SKIS**
[54] **COMPOSITION D'AMELIORATION DE LA PERFORMANCE DE SKIS SANS CIRE**
[72] PUUKILAINEN, ESA, FI
[71] VAUHTI SPEED OY, FI
[85] 2018-07-20
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[54] **SELECTIVE ESTROGEN RECEPTOR DEGRADERS AND USES THEREOF**
[54] **AGENTS DE DEGRADATION SELECTIFS DES RECEPTEURS DES □STROGENES ET LEURS UTILISATIONS**
[72] DAI, XING, US
[72] WANG, YAOLIN, US
[71] INVENTISBIO INC., KY
[85] 2018-07-19
[86] 2017-02-03 (PCT/US2017/016452)
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[54] **COMPOSITION DESINFECTANTE**
[72] SAVA, ALEX, AU
[71] NOVAPHARM RESEARCH (AUSTRALIA) PTY LTD, AU
[85] 2018-07-20
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[30] AU (2016900195) 2016-01-22

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[51] **Int.Cl. A47J 31/52 (2006.01)**
[25] EN
[54] **DRINKS PREPARATION MACHINE**
[54] **SYSTEME DE PREPARATION DE BOISSONS**
[72] HARTMANN, DOREEN, CH
[72] ECKELT, NILS, DE
[72] GODDE, WOLFGANG, DE
[71] QBO COFFEE GMBH, CH
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[54] **DRINKS PREPARATION MACHINE**
[54] **MACHINE DE PREPARATION DE BOISSON**
[72] HARTMANN, DOREEN, CH
[72] GODDE, WOLFGANG, DE
[71] QBO COFFEE GMBH, CH
[85] 2018-07-20
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[54] **SYSTEME DE LAVAGE CORPOREL**
[72] ABDULHADE, ABEER, GB
[71] ABDULHADE, ABEER, GB
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[86] 2017-01-19 (PCT/GB2017/050137)
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[51] **Int.Cl. A61M 5/14 (2006.01)**
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[54] **FOOT VALVE FOR DRIP CHAMBERS OF MEDICAL INFUSION OR TRANSFUSION APPARATUSES**
[54] **CLAPET A PIED POUR CHAMBRES DE GOUTTE-A-GOUTTE D'APPAREILS MEDICAUX DE PERFUSION OU DE TRANSFUSION**
[72] GUALA, GIANNI, IT
[71] INDUSTRIE BORLA S.P.A., IT
[85] 2018-07-20
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[25] EN
[54] **METHOD AND EQUIPMENT FOR COMBUSTION OF AMMONIA**
[54] **PROCEDE ET EQUIPEMENT POUR LA COMBUSTION D'AMMONIAC**
[72] BULAT, GHENADIE, GB
[72] HUGHES, TIMOTHY, GB
[72] MAY, JONATHAN, GB
[72] WILKINSON, IAN, GB
[71] SIEMENS AKTIENGESELLSCHAFT, DE
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[25] EN
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[54] **MELANGE MAITRE POUR PVC**
[72] GAUKROGER, ANTHONY, GB
[71] COLOUR TONE MASTERBATCH LIMITED, GB
[85] 2018-07-20
[86] 2017-02-02 (PCT/GB2017/050256)
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[25] EN
[54] **PLANT AND METHOD FOR THE SUPPLY OF ELECTRIC POWER AND/OR MECHANICAL POWER, HEATING POWER AND/OR COOLING POWER**
[54] **INSTALLATION ET PROCEDE D'ALIMENTATION EN ENERGIE ELECTRIQUE ET/OU MECANIQUE, EN POUVOIR CALORIFIQUE ET/OU EN POUVOIR REFRIGERANT**
[72] BRIOLA, STEFANO, IT
[71] BRIOLA, STEFANO, IT
[85] 2018-07-20
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[30] IT (102016000027735) 2016-03-16

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[25] EN
[54] **METHOD FOR RECOVERING SCANDIUM**
[54] **PROCEDE DE RECUPERATION DU SCANDIUM**
[72] HIGAKI, TATSUYA, JP
[72] MATSUMOTO, SHIN-YA, JP
[72] NAGAI, HIDEMASA, JP
[72] KOBAYASHI, HIROSHI, JP
[71] SUMITOMO METAL MINING CO., LTD., JP
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[25] EN
[54] **CLOSURE CAP ASSEMBLY**
[54] **ENSEMBLE CAPUCHON DE FERMETURE**
[72] GENAW, JOEL DEAN, JR., US
[72] RODGERS, MATTHEW BLAKE, US
[71] NESTEC S.A., CH
[85] 2018-07-20
[86] 2017-02-01 (PCT/IB2017/050544)
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[25] EN
[54] **FLUID SEPARATION MEMBRANE, FLUID SEPARATION MEMBRANE MODULE, AND POROUS CARBON FIBER**
[54] **MEMBRANE DE SEPARATION DE FLUIDE, MODULE DE MEMBRANE DE SEPARATION DE FLUIDE, ET FIBRE DE CARBONE POREUSE**
[72] TAKEUCHI, KOSAKU, JP
[72] KONDO, DAI, JP
[72] TANAKA, KENTARO, JP
[72] MIHARA, TAKAAKI, JP
[72] HORIGUCHI, TOMOYUKI, JP
[71] TORAY INDUSTRIES, INC., JP
[85] 2018-07-20
[86] 2017-01-17 (PCT/JP2017/001408)
[87] (WO2017/126501)
[30] JP (2016-010448) 2016-01-22

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[51] **Int.Cl. B01D 71/02 (2006.01) C01B 32/15 (2017.01) C01B 32/18 (2017.01) C01B 32/182 (2017.01) B01D 53/22 (2006.01) B01D 69/00 (2006.01) D01F 9/22 (2006.01) C01B 32/50 (2017.01)**
[25] EN
[54] **CARBON MEMBRANE FOR FLUID SEPARATION AND CARBON MEMBRANE MODULE FOR FLUID SEPARATION**
[54] **MEMBRANE EN CARBONE POUR LA SEPARATION DE FLUIDES ET MODULE DE MEMBRANE EN CARBONE POUR LA SEPARATION DE FLUIDES**
[72] KITABATA, MASAHIRO, JP
[72] TAKEUCHI, KOSAKU, JP
[72] MIHARA, TAKAAKI, JP
[72] HORIGUCHI, TOMOYUKI, JP
[71] TORAY INDUSTRIES, INC., JP
[85] 2018-07-20
[86] 2017-01-17 (PCT/JP2017/001416)
[87] (WO2017/126504)
[30] JP (2016-010451) 2016-01-22

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[13] A1
[51] **Int.Cl. C21D 8/12 (2006.01) B23K 15/00 (2006.01) H01F 1/147 (2006.01)**
[25] EN
[54] **GRAIN-ORIENTED ELECTRICAL STEEL SHEET AND METHOD FOR MANUFACTURING THE SAME**
[54] **TOLE D'ACIER MAGNETIQUE A GRAINS ORIENTES ET SON PROCEDE DE FABRICATION**
[72] OMURA, TAKESHI, JP
[72] TAKAJO, SHIGEHIRO, JP
[72] INOUE, HIROTAKA, JP
[71] JFE STEEL CORPORATION, JP
[85] 2018-07-20
[86] 2017-01-24 (PCT/JP2017/002381)
[87] (WO2017/130980)
[30] JP (2016-011706) 2016-01-25

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[13] A1
[51] **Int.Cl. G08G 1/16 (2006.01) G01C 21/26 (2006.01)**
[25] EN
[54] **DRIVING ASSISTANCE METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF D'AIDE A LA CONDUITE**
[72] MISHINA, YOHEI, JP
[72] FUJITA, SUSUMU, JP
[72] AOKI, MOTONOBU, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2018-07-20
[86] 2016-12-08 (PCT/JP2016/086626)
[87] (WO2017/126250)
[30] JP (2016-010543) 2016-01-22

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[13] A1
[51] **Int.Cl. G05B 15/02 (2006.01) F16K 31/06 (2006.01) F16K 37/00 (2006.01) G05B 19/042 (2006.01) G05B 19/418 (2006.01) G05B 23/02 (2006.01)**
[25] EN
[54] **SMART SOLENOID VALVE AND METHOD, SYSTEM, SOFTWARE, USER INTERFACE THEREOF**
[54] **ELECTROVANNE INTELLIGENTE ET PROCEDE, SYSTEME, LOGICIEL ET INTERFACE UTILISATEUR ASSOCIES**
[72] ROSSANO, LORENZO, IT
[72] PUCCI, MASSIMILIANO, IT
[72] GUERCI, ALESSIO, IT
[71] ODE S.R.L., IT
[85] 2018-07-20
[86] 2017-02-07 (PCT/IB2017/000090)
[87] (WO2017/137827)
[30] IT (UB2016A000564) 2016-02-08
[30] IT (UA2016A004454) 2016-06-16

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[13] A1
[51] **Int.Cl. A23L 29/30 (2016.01) A23L 27/12 (2016.01) A23L 27/40 (2016.01) A23L 33/20 (2016.01)**
[25] EN
[54] **ALLULOSE-CONTAINING SYRUP COMPOSITION AND FOOD CONTAINING SAME**
[54] **COMPOSITION DE SIROP CONTENANT DE L'ALLULOSE ET ALIMENT LA CONTENANT**
[72] BAK, YOUN KYUNG, KR
[72] PARK, JUNG GYU, KR
[72] BYUN, SUNG BAE, KR
[72] CHOI, JONG MIN, KR
[72] PARK, SEUNG WON, KR
[72] JUNG, DONG CHUL, KR
[71] CJ CHEILJEDANG CORPORATION, KR
[85] 2018-07-20
[86] 2017-03-06 (PCT/KR2017/002405)
[87] (WO2017/155261)
[30] KR (10-2016-0028520) 2016-03-09

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[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01) C07D 519/00 (2006.01)**
[25] EN
[54] **COMPOUNDS AND COMPOSITIONS FOR THE TREATMENT OF CRYPTOSPORIDIOSIS**
[54] **COMPOSES ET COMPOSITIONS POUR LE TRAITEMENT DE LA CRYPTOSPORIDIOSE**
[72] DIAGANA, THIERRY TIDIANE, SG
[72] UJJINI, MANJUNATHA, SG
[71] NOVARTIS AG, CH
[85] 2018-07-20
[86] 2017-01-20 (PCT/IB2017/050319)
[87] (WO2017/125898)
[30] SG (10201600499R) 2016-01-21

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[51] **Int.Cl. A61K 8/22 (2006.01) A61K 8/02 (2006.01) A61K 8/25 (2006.01) A61K 8/73 (2006.01) A61K 8/81 (2006.01) A61K 8/84 (2006.01) A61K 8/89 (2006.01) A61Q 11/02 (2006.01)**
[25] EN
[54] **VISCOUS PEROXIDE BLEND**
[54] **MELANGE DE PEROXYDE VISQUEUX**
[72] CHANG, SUG YOUN, KR
[71] NATUREGEN CO., LTD., KR
[85] 2018-07-20
[86] 2016-08-10 (PCT/KR2016/008772)
[87] (WO2017/126760)
[30] KR (10-2016-0007176) 2016-01-20
[30] KR (10-2016-0101011) 2016-08-09

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[13] A1
[51] **Int.Cl. G01N 29/22 (2006.01) G01N 29/32 (2006.01)**
[25] EN
[54] **ULTRASONIC FLAW DETECTION DEVICE AND ULTRASONIC FLAW DETECTION METHOD**
[54] **DISPOSITIF DE DETECTION DE DEFAUTS PAR ULTRASONS ET PROCEDE DE DETECTION DE DEFAUTS PAR ULTRASONS**
[72] ASAUMI, YUTO, JP
[72] HATANAKA, HIROAKI, JP
[72] SAKAKURA, SHIGEKI, JP
[71] IHI CORPORATION, JP
[85] 2018-07-20
[86] 2017-02-09 (PCT/JP2017/004748)
[87] (WO2017/138613)
[30] JP (2016-023312) 2016-02-10

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[13] A1
[51] **Int.Cl. C08G 63/672 (2006.01)**
[25] EN
[54] **POLYESTER RESINS**
[54] **RESINE POLYESTER**
[72] HIROKANE, TAKESHI, JP
[72] MORISHITA, TAKAMI, JP
[72] ISHII, KENTARO, JP
[71] MITSUBISHI GAS CHEMICAL COMPANY, INC., JP
[85] 2018-07-20
[86] 2017-03-09 (PCT/JP2017/009402)
[87] (WO2017/159524)
[30] JP (2016-050879) 2016-03-15

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[13] A1
[51] **Int.Cl. A47C 27/06 (2006.01) B68G 9/00 (2006.01)**
[25] EN
[54] **COIL-IN-COIL SPRINGS WITH NON-LINEAR LOADING RESPONSES AND MATTRESSES INCLUDING THE SAME**
[54] **RESSORTS A HELICES IMBRIQUEES A REPONSES EN CHARGE NON LINEAIRES, ET MATELAS COMPRENANT CEUX-CI**
[72] DEMOSS, LARRY K., US
[72] MANUSZAK, BRIAN M., US
[72] THOMAS, DARIN T., US
[71] SEALY TECHNOLOGY, LLC, US
[85] 2018-07-20
[86] 2016-01-21 (PCT/US2016/014299)
[87] (WO2017/127082)

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[13] A1
[51] **Int.Cl. C07H 15/04 (2006.01) C08B 31/10 (2006.01) C08B 31/12 (2006.01)**
[25] EN
[54] **ETHERIFICATION OF CARBOHYDRATES USING SUPERHEATED STEAM**
[54] **ETHERIFICATION D'HYDRATES DE CARBONE AU MOYEN DE VAPEUR SURCHAUFFEE**
[72] SLAGHEK, THEODOOR MAXIMILIAAN, NL
[72] TIMMERMANS, JOHANNES WILHELMUS, NL
[72] HAAKSMAN, INGRID KARIN, NL
[72] HOPMAN, JOHANNES CORNELIS PETRUS, NL
[71] NEDERLANDSE ORGANISATIE VOOR TOEGEPAST-NATUURWETENSCHAPPELIJK ONDERZOEK TNO, NL
[85] 2018-07-20
[86] 2017-01-20 (PCT/NL2017/050040)
[87] (WO2017/126969)
[30] EP (16152456.6) 2016-01-22

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[13] A1
[51] **Int.Cl. F24H 1/14 (2006.01) F24H 1/16 (2006.01) F24H 8/00 (2006.01) F28D 1/047 (2006.01) F28D 7/08 (2006.01) F28F 1/08 (2006.01)**
[25] EN
[54] **HOT WATER APPLIANCE, FLUE GAS DISCHARGE THEREFOR AND METHOD FOR HEATING A FLUID**
[54] **CHAUFFE-EAU, EVACUATION DE GAZ DE COMBUSTION POUR CELUI-CI ET PROCEDE DE CHAUFFAGE D'UN FLUIDE**
[72] COOL, PETER JAN, NL
[71] INTERGAS HEATING ASSETS B.V., NL
[85] 2018-07-20
[86] 2017-01-31 (PCT/NL2017/050060)
[87] (WO2017/135814)
[30] NL (2016197) 2016-02-01

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[13] A1
[51] **Int.Cl. G01N 30/72 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **CHARGED MASS LABELING SYSTEM**
[54] **SYSTEME DE MARQUAGE DE MASSE CHARGEE**
[72] COOKS, ROBERT GRAHAM, US
[72] BAIRD, ZANE, US
[72] PUGIA, MICHAEL, US
[72] HOLLERBACH, ADAM, US
[72] AYRTON, STEPHEN, US
[71] PURDUE RESEARCH FOUNDATION, US
[85] 2018-07-20
[86] 2017-01-20 (PCT/US2017/014320)
[87] (WO2017/127670)
[30] US (62/286,115) 2016-01-22

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[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01) G06F 19/22 (2011.01) C12N 15/10 (2006.01)**
[25] EN
[54] **DETECTION OF RARE SEQUENCE VARIANTS, METHODS AND COMPOSITIONS THEREFOR**
[54] **DETECTION DE VARIANTS DE SEQUENCE RARES, PROCEDES ET COMPOSITIONS A CET EFFET**
[72] DRULEY, TODD E., US
[72] YOUNG, ANDREW, US
[71] WASHINGTON UNIVERSITY, US
[85] 2018-07-20
[86] 2016-01-22 (PCT/US2016/014559)
[87] (WO2016/118883)
[30] US (62/106,967) 2015-01-23

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[13] A1
[51] **Int.Cl. F41A 21/34 (2006.01) F41A 21/30 (2006.01) F41A 21/32 (2006.01)**
[25] EN
[54] **FIREARM SUPPRESSOR**
[54] **DISPOSITIF ANTI-LUEUR POUR ARME A FEU**
[72] BRAY, ERNEST R., US
[71] NG2 DEFENSE, LLC, US
[85] 2018-07-20
[86] 2017-01-20 (PCT/US2017/014326)
[87] (WO2017/151234)
[30] US (62/280,798) 2016-01-20

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[21] **3,012,124**
[13] A1
[51] **Int.Cl. G06F 15/18 (2006.01)**
[25] EN
[54] **FORECASTING NATIONAL CROP YIELD DURING THE GROWING SEASON USING WEATHER INDICES**
[54] **PREVISION DE RENDEMENT NATIONAL DE CULTURE PENDANT LA SAISON DE CROISSANCE AU MOYEN D'INDICES METEOROLOGIQUES**
[72] XU, YING, US
[72] XU, LIJUAN, US
[71] THE CLIMATE CORPORATION, US
[85] 2018-07-20
[86] 2017-01-13 (PCT/US2017/013308)
[87] (WO2017/127291)
[30] US (15/004,820) 2016-01-22

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[13] A1
[51] **Int.Cl. A61B 17/02 (2006.01) A61B 17/00 (2006.01)**
[25] EN
[54] **SYSTEM AND APPARATUS FOR ASSISTING WITH SUBMUCOSAL DISSECTIONS**
[54] **SYSTEME ET APPAREIL D'ASSISTANCE DANS DES DISSECTIONS SOUS-MUQUEUSES**
[72] BHATT, AMIT, US
[72] GAO, SHENGQIANG, US
[72] KOLOSI, WILLIAM, US
[72] VARGO, JOHN, US
[71] THE CLEVELAND CLINIC FOUNDATION, US
[85] 2018-07-20
[86] 2017-01-19 (PCT/US2017/014038)
[87] (WO2017/127487)
[30] US (62/281,215) 2016-01-21
[30] US (62/293,505) 2016-02-10

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[13] A1
[51] **Int.Cl. A23C 19/09 (2006.01) A23C 19/097 (2006.01) A23C 19/14 (2006.01)**
[25] EN
[54] **METHOD FOR MAKING A PARTIALLY COOKED CHEESE PRODUCT AND USES THEREOF**
[54] **PROCEDE DE FABRICATION D'UN PRODUIT FROMAGER PARTIELLEMENT CUIT ET UTILISATIONS CORRESPONDANTES**
[72] LOTTO, CHRISTOPHER L., US
[71] LOTTO FOODS HOLDING, LLC, US
[85] 2018-07-20
[86] 2017-01-20 (PCT/US2017/014293)
[87] (WO2017/136156)
[30] US (62/290,685) 2016-02-03
[30] US (62/291,145) 2016-02-04
[30] US (62/306,917) 2016-03-11

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[13] A1
[51] **Int.Cl. C07C 275/28 (2006.01) C07C 275/30 (2006.01) C07C 275/40 (2006.01)**
[25] EN
[54] **INHIBITOR OF INDOLEAMINE-2,3-DIOXYGENASE (IDO)**
[54] **INHIBITEUR DE L'INDOLEAMINE-2,3-DIOXYGENASE (IDO)**
[72] DAI, XING, US
[72] WANG, YAOLIN, US
[71] INVENTISBIO INC., KY
[85] 2018-07-19
[86] 2017-02-08 (PCT/US2017/017063)
[87] (WO2017/139414)
[30] US (62/293,219) 2016-02-09
[30] US (62/362,875) 2016-07-15

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[13] A1
[51] **Int.Cl. B23C 5/00 (2006.01) B23C 5/20 (2006.01) B23F 21/12 (2006.01)**
[25] EN
[54] **MILLING TOOL**
[54] **OUTIL DE FRAISAGE**
[72] ZANKL, MAX, DE
[72] HOSS, JOHANNES, DE
[71] HARTMETALL-WERKZEUGFABRIK PAUL HORN GMBH, DE
[85] 2018-07-20
[86] 2017-01-20 (PCT/EP2017/051193)
[87] (WO2017/125553)
[30] DE (10 2016 101 145.2) 2016-01-22

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[13] A1
[51] **Int.Cl. G10L 19/008 (2013.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR ENCODING OR DECODING A MULTI-CHANNEL SIGNAL USING A BROADBAND ALIGNMENT PARAMETER AND A PLURALITY OF NARROWBAND ALIGNMENT PARAMETERS**
[54] **APPAREIL ET PROCEDE POUR CODER OU DECODER UN SIGNAL MULTICANAL EN UTILISANT UN PARAMETRE D'ALIGNEMENT A LARGE BANDE ET UNE PLURALITE DE PARAMETRES D'ALIGNEMENT A BANDE ETROITE**
[72] BAYER, STEFAN, DE
[72] FOTOPOULOU, ELENI, DE
[72] MULTRUS, MARKUS, DE
[72] FUCHS, GUILLAUME, DE
[72] RAVELLI, EMMANUEL, DE
[72] SCHNELL, MARKUS, DE
[72] DOEHLA, STEFAN, DE
[72] JAEGERS, WOLFGANG, DE
[72] DIETZ, MARTIN, DE
[72] MARKOVIC, GORAN, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2018-07-20
[86] 2017-01-20 (PCT/EP2017/051205)
[87] (WO2017/125558)
[30] EP (16152453.3) 2016-01-22
[30] EP (16152450.9) 2016-01-22

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[13] A1
[51] **Int.Cl. B01J 13/14 (2006.01)**
[25] EN
[54] **PROCESS FOR PREPARATION OF MICROCAPSULES**
[54] **PROCEDE DE PREPARATION DE MICROCAPSULES**
[72] BURAKOWSKA-MEISE, EWELINA, DE
[72] WITTELER, HELMUT, DE
[72] BAUER, VOLKER, DE
[72] JENEWEIN, STEFAN, DE
[72] HUEFFER, STEPHAN, DE
[72] SPANGENBERG, OLIVER, DE
[72] FISCHER, STEFAN, DE
[72] NIELSEN, JESPER DUUS, DE
[72] CETINKAYA, MURAT, NL
[71] BASF SE, DE
[85] 2018-07-20
[86] 2017-02-02 (PCT/EP2017/052186)
[87] (WO2017/137293)
[30] EP (16155482.9) 2016-02-12

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[13] A1
[51] **Int.Cl. G01R 33/50 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MAGNETIC FIELD-DEPENDENT RELAXOMETRY USING MAGNETIC RESONANCE IMAGING**
[54] **SYSTEMES ET PROCEDES DE RELAXOMETRIE DEPENDANT DU CHAMP MAGNETIQUE PAR IMAGERIE PAR RESONANCE MAGNETIQUE**
[72] HARRIS, CHAD TYLER, CA
[72] PANTHER, ALEXANDER GYLES, CA
[72] STAINSBY, JEFF ALAN, CA
[72] DESCHENES, DAVID MARK, CA
[72] BEATTY, PHILIP J., CA
[71] SYNAPTIVE MEDICAL (BARBADOS) INC., BB
[85] 2018-07-20
[86] 2016-01-22 (PCT/IB2016/050341)
[87] (WO2017/125790)

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[13] A1
[51] **Int.Cl. A01K 5/00 (2006.01)**
[25] EN
[54] **WALL MOUNTED PET FEEDING SYSTEM**
[54] **SYSTEME D'ALIMENTATION D'ANIMAUX DE COMPAGNIE MONTE AU MUR**
[72] KASPER, TERRY, US
[71] KASPER, TERRY, US
[85] 2018-07-20
[86] 2017-01-23 (PCT/IB2017/050343)
[87] (WO2017/125903)
[30] US (62/281,803) 2016-01-22
[30] US (62/431,721) 2016-12-08

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[13] A1
[51] **Int.Cl. C25C 3/06 (2006.01) C25C 3/20 (2006.01)**
[25] EN
[54] **METHOD OF MONITORING INDIVIDUAL ANODE CURRENTS IN AN ELECTROLYTIC CELL SUITABLE FOR THE HALL-HEROULT ELECTROLYSIS PROCESS**
[54] **PROCEDE DE SURVEILLANCE DE COURANTS ANODIQUES INDIVIDUELS DANS UNE CELLULE ELECTROLYTIQUE CONVENANT POUR LE PROCEDE D'ELECTROLYSE HALL-HEROULT**
[72] BAO, JIE, AU
[72] WELCH, BARRY, NZ
[72] AKHMETOV, SERGEY, AE
[72] YAO, YUCHEN, AU
[72] CHEUNG, CHEUK-YI, AU
[72] BANJAB, ALI JASIM, AE
[72] SKYLLAS-KAZACOS, MARIA, AU
[71] DUBAI ALUMINIUM PJSC, AE
[71] NEWSOUTH INNOVATIONS PTY LIMITED, AU
[85] 2018-07-20
[86] 2017-02-08 (PCT/IB2017/050666)
[87] (WO2017/141135)
[30] GB (1602627.0) 2016-02-15

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[13] A1
[51] **Int.Cl. H05B 3/00 (2006.01) A47J 37/06 (2006.01) G01N 21/00 (2006.01) G01N 21/17 (2006.01) H05B 43/00 (2006.01)**
[25] EN
[54] **A SYSTEM AND METHOD FOR PRODUCING AN ENGINEERED IRRADIATION PATTERN IN A NARROWBAND SYSTEM**
[54] **SYSTEME ET PROCEDE POUR PRODUIRE UN DIAGRAMME DE RAYONNEMENT CONCU DANS UN SYSTEME A BANDE ETROITE**
[72] KATZ, JONATHAN M., US
[72] JOHNSON, BENJAMIN D., US
[72] COCHRAN, DON W., US
[72] COCHRAN, DAVID W., US
[71] PRESSCO IP LLC, US
[85] 2018-07-20
[86] 2017-01-20 (PCT/US2017/014381)
[87] (WO2017/127712)
[30] US (62/286,029) 2016-01-22

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[13] A1
[51] **Int.Cl. A61K 31/495 (2006.01) A61P 1/16 (2006.01)**
[25] EN
[54] **USE OF TRIMETAZIDINE IN PREPARATION OF DRUGS FOR PREVENTING AND TREATING LIVER DISEASES**
[54] **UTILISATION DE TRIMETHAZINE DANS LA PREPARATION DE MEDICAMENTS POUR LA PREVENTION ET LE TRAITEMENT DE MALADIES HEPATIQUES**
[72] YU, ZUJIANG, CN
[71] MARTIN PHARMACEUTICALS, INC., US
[85] 2018-07-20
[86] 2016-04-26 (PCT/CN2016/080219)
[87] (WO2016/173486)
[30] CN (201510207528.0) 2015-04-28

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[13] A1
[51] **Int.Cl. C25C 3/20 (2006.01) C25C 3/06 (2006.01) G05B 13/04 (2006.01) G05B 17/02 (2006.01)**
[25] EN
[54] **METHOD FOR ESTIMATING DYNAMIC STATE VARIABLES IN AN ELECTROLYTIC CELL SUITABLE FOR THE HALL-HEROULT ELECTROLYSIS PROCESS**
[54] **PROCEDE D'ESTIMATION DE VARIABLES D'ETAT DYNAMIQUES DANS UNE CELLULE ELECTROLYTIQUE CONVENANT POUR LE PROCEDE D'ELECTROLYSE HALL-HEROULT**
[72] YAO, YUCHEN, AU
[72] CHEUNG, CHEUK-YI, AU
[72] BAO, JIE, AU
[72] WELCH, BARRY, NZ
[72] SKYLLAS-KAZACOS, MARIA, AU
[72] AKHMETOV, SERGEY, AE
[72] BANJAB, ALI JASIM, AE
[71] DUBAI ALUMINIUM PJSC, AE
[71] NEWSOUTH INNOVATIONS PTY LIMITED, AU
[85] 2018-07-20
[86] 2017-02-08 (PCT/IB2017/050661)
[87] (WO2017/141134)
[30] GB (1602613.0) 2016-02-15

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[13] A1
[51] **Int.Cl. C07D 213/803 (2006.01) A01N 43/40 (2006.01) C07D 213/79 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PREPARATION OF 4-ALKOXY-3-ACETOXYPICOLINIC ACIDS**
[54] **PROCEDE DE PREPARATION D'ACIDES ALCOXY-3-ACETOXYPICOLINIQUES**
[72] WHITEKER, GREGORY T., US
[72] BORROMEO, PETER, US
[72] LI, FANGZHENG, US
[72] ROTH, GARY, US
[71] DOW AGROSCIENCES LLC, US
[85] 2018-07-20
[86] 2017-01-23 (PCT/US2017/014527)
[87] (WO2017/127791)
[30] US (62/286,013) 2016-01-22

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[51] **Int.Cl. B21D 19/08 (2006.01)**
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[54] **PROCEDE DE TRAITEMENT DE MATAGE ET DISPOSITIF DE TRAITEMENT DE MATAGE**
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[71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
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[54] **SYSTEME DE PRESSION D'ENSEMBLE PALIER**
[72] TRAN, LAP, US
[72] SAWYER, MICHAEL, US
[71] SCHLUMBERGER CANADA LIMITED, CA
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[54] **DETECTEUR D'INCENDIE ET/OU D'ETINCELLES MODULAIRE A CAPTEURS MULTIPLES**
[72] ZIEMS, BERND, DE
[72] DITTMER, HAUKE, DE
[72] SIEMER, DIRK, DE
[72] GROTHOFF, AXEL, DE
[72] ZUELZER, PETER, DE
[72] STAMER, ARNE, DE
[72] WISNIEWSKI, PAWEL, DE
[72] HALLWASS-FEDDER, BERND, DE
[71] MINIMAX GMBH & CO. KG, DE
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[54] **ELEMENT D'AUTOMOBILE**
[72] OTSUKA, KENICHIRO, JP
[71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
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[54] **GRAPHENE FRAMEWORKS FOR SUPERCAPACITORS**
[54] **STRUCTURES DE GRAPHENE POUR SUPERCONDENSATEURS**
[72] DUAN, XIANGFENG, US
[72] HUANG, YU, US
[72] PAPANDREA, BENJAMIN, US
[72] XU, XU, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
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[54] **SYSTEMS AND METHODS OF OPERATING DIRECTIONAL DRILLING RIGS**
[54] **SYSTEMES ET DES PROCEDES DE COMMANDE D'INSTALLATIONS DE FORAGE DIRIGE**
[72] OSADCHUK, DWAYNE, US
[72] LITTLEFIELD, RYAN, US
[71] OZZIE ENTERPRISES LLC, US
[85] 2018-07-20
[86] 2016-12-01 (PCT/US2016/064407)
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[30] US (62/294,685) 2016-02-12
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[54] **PHOTO-CLEAVABLE PRIMER COMPOSITIONS AND METHODS OF USE**
[54] **COMPOSITIONS D'AMORCES PHOTOCLIVABLES ET PROCEDE D'UTILISATION**
[72] AHN, BYUNG JUN, US
[72] LIPSHUTZ, BRUCE H., US
[72] NGUYEN, SAM L., US
[72] LINSTADT, ROSCOE, US
[71] ACATECHOL, INC., US
[85] 2018-07-20
[86] 2017-01-27 (PCT/US2017/015298)
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[54] **TRAY DECK ORIFICE DEVICE AND METHODS OF REPAIRING A TRAY DECK**
[54] **DISPOSITIF D'ORIFICE DE PLATEFORME DE PLATEAU ET PROCEDES DE REPARATION DE PLATEFORME DE PLATEAU**
[72] LASSER, ROBERT LEE, US
[71] WOVEN METAL PRODUCTS, INC., US
[85] 2018-07-20
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[87] (WO2017/132519)
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[54] **SYSTEMS AND METHODS FOR TISSUE REMOVAL**
[54] **SYSTEMES ET PROCEDES DE RETRAIT DE TISSU**
[72] KESSLER, STEVEN C., US
[72] BRESLIN, TRACY, US
[71] APPLIED MEDICAL RESOURCES CORPORATION, US
[85] 2018-07-20
[86] 2017-01-20 (PCT/US2017/014402)
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[30] US (62/281,820) 2016-01-22

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[54] **TRIAZOLE DERIVATIVES OF MELAMPOMAGNOLIDE B AND METHODS OF USE THEREOF**
[54] **DERIVES DE TRIAZOLE DE MELAMPOMAGNOLIDE B ET LEURS PROCEDES D'UTILISATION**
[72] JANGANATI, VENUMADHAV, US
[72] CROOKS, PETER, US
[72] PONDER, JESSICA, US
[72] JORDAN, CRAIG, US
[71] BIOVENTURES, LLC, US
[71] THE REGENTS OF THE UNIVERSITY OF COLORADO, US
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[54] **USE AND MONITORING OF INHALED NITRIC OXIDE WITH LEFT VENTRICULAR ASSIST DEVICES**
[54] **UTILISATION ET SURVEILLANCE DE L'OXYDE NITRIQUE INHALE AVEC DES DISPOSITIFS D'ASSISTANCE VENTRICULAIRE GAUCHE**
[72] POTENZIANO, JIM, US
[72] GREENE, DOUGLAS ALAN, US
[72] FLANAGAN, CRAIG, US
[71] MALLINCKRODT HOSPITAL PRODUCTS IP LIMITED, IE
[85] 2018-07-20
[86] 2017-01-30 (PCT/US2017/015552)
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[54] **FLEXIBLE NUCLEAR LEVEL SENSING GAUGE**
[54] **JAUGE SOUPLE DE DETECTION DE NIVEAU NUCLEAIRE**
[72] CAHILL, BONAVENTURE, US
[72] NIINEMETS, THOMAS, US
[71] VEGA AMERICAS, INC., US
[85] 2018-07-20
[86] 2017-01-23 (PCT/US2017/014491)
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[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING NETWORK CONNECTIVITY AND REMOTE MONITORING, OPTIMIZATION, AND CONTROL OF POOL/SPA EQUIPMENT**
[54] **SYSTEMES ET PROCEDES PERMETTANT D'ASSURER LA CONNECTIVITE DE RESEAU ET LA SURVEILLANCE, L'OPTIMISATION VALVE ACTUATORET LA COMMANDE A DISTANCE D'EQUIPEMENTS DE PISCINE ET DE SPA**
[72] POTUCEK, KEVIN, US
[72] MURDOCK, JAMES, US
[72] CARTER, JAMES, US
[72] FOURNIER, GREGORY, US
[72] JOHNSON, ARTHUR, III, US
[72] DENKEWICZ, RAY, US
[72] BLAINE, DAVID, US
[72] DEBRUIN, JASON, US
[72] WILLIS, VANCE, US
[72] AUBREY, BRUCE, US
[72] PETTY, SCOTT, US
[72] PARCELL, JASON, US
[72] SAWYER, DOUGLAS, JR., US
[72] WISEMAN, KRISTOPHER ROBERT, US
[71] HAYWARD INDUSTRIES, INC., US
[85] 2018-07-20
[86] 2017-01-23 (PCT/US2017/014560)
[87] (WO2017/127802)
[30] US (62/286,272) 2016-01-22
[30] US (62/310,510) 2016-03-18
[30] US (62/381,903) 2016-08-31
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[54] **ANALYSEUR D'ENERGIE DU TYPE A POTENTIEL RETARDE**
[72] MURO, TAKAYUKI, JP
[72] MATSUSHITA, TOMOHIRO, JP
[71] JAPAN SYNCHROTRON RADIATION RESEARCH INSTITUTE, JP
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[25] EN
[54] **CHEMICALS AND FUEL BLENDSTOCKS BY A CATALYTIC FAST PYROLYSIS PROCESS**
[54] **PRODUITS CHIMIQUES ET MELANGES DE CARBURANTS OBTENUS PAR UN PROCESSUS DE PYROLYSE CATALYTIQUE RAPIDE**
[72] SORENSEN, CHARLES, US
[71] ANELLOTECH, INC., US
[85] 2018-07-20
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[87] (WO2017/136178)
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[54] **OCT IMAGING CATHETER WITH LAG CORRECTION**
[54] **CATHETER D'IMAGERIE OCT AVEC CORRECTION DE DECALAGE**
[72] CHRISTENSEN, BJARNE B., US
[71] AVINGER, INC., US
[85] 2018-07-20
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[25] EN
[54] **USE OF MICRO- AND NANO-BUBBLES IN LIQUID PROCESSING**
[54] **UTILISATION DE MICROBULLES ET DE NANOBULLES DANS LE TRAITEMENT DE LIQUIDE**
[72] AMAMCHARLA, JAYENDRA, US
[72] LI, BINGYI, US
[72] LIU, ZHE, US
[71] KANSAS STATE UNIVERSITY RESEARCH FOUNDATION, US
[85] 2018-07-20
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[54] **COMPENSATING FOR DISRUPTIONS IN BREATHING GAS FLOW MEASUREMENT**
[54] **COMPENSATION DES INTERRUPTIONS DANS UNE MESURE DE DEBIT DE GAZ RESPIRATOIRE**
[72] ACKER, JARON M., US
[72] TOLMIE, CRAIG R., US
[71] MALLINCKRODT HOSPITAL PRODUCTS IP LIMITED, IE
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[51] **Int.Cl. A61K 38/00 (2006.01) A61P 29/00 (2006.01)**
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[54] **COMPOUNDS AND METHODS FOR TREATING INFLAMMATION**
[54] **COMPOSES ET PROCEDES POUR LE TRAITEMENT DE L'INFLAMMATION**
[72] COHEN, CHARLES, US
[72] KUMAR, KRISHNA, US
[72] KOPIN, ALAN S., US
[72] HARWOOD, BENJAMIN N., US
[72] RAMAN, VENKATA S., US
[72] HAMRAH, PEDRAM, US
[71] TUFTS MEDICAL CENTER, US
[71] ON TARGET THERAPEUTICS, LLC., US
[71] TRUSTEES OF TUFTS COLLEGE, US
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[25] EN
[54] **MULTI-DOMAINED SULFUR ELECTRODES, AND MANUFACTURING THEREFOR**
[54] **ELECTRODES DE SOUFRE A MULTIPLES DOMAINES, ET LEUR FABRICATION**
[72] JOO, YONG LAK, US
[72] LEE, JAEHYUK, US
[71] CORNELL UNIVERSITY, US
[85] 2018-07-20
[86] 2017-01-20 (PCT/US2017/014324)
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[25] EN
[54] **PATTERN MATCHING BASED DATASET EXTRACTION**
[54] **EXTRACTION D'ENSEMBLE DE DONNEES REPOSANT SUR UNE MISE EN CORRESPONDANCE DE MOTIF**
[72] GUPTA, SATYA VRAT, US
[71] VIRSEC SYSTEMS, INC., US
[85] 2018-07-20
[86] 2017-01-20 (PCT/US2017/014354)
[87] (WO2017/127691)
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[54] **ENHANCED TRANSDERMAL DELIVERY OF ACTIVE AGENTS**
[54] **ADMINISTRATION TRANSDERMIQUE AMELIOREE D'AGENTS ACTIFS**
[72] SAND, BRUCE J., US
[71] AMPERSAND BIOPHARMACEUTICALS INC., US
[85] 2018-07-20
[86] 2017-01-23 (PCT/US2017/014621)
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[30] US (62/388,310) 2016-01-23
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[25] EN
[54] **BONE PLATE HAVING A CONNECTOR AND A CONNECTOR FOR A SURGICAL LOOP**
[54] **PLAQUE OSSEUSE COMPORTANT UN CONNECTEUR ET CONNECTEUR POUR BOUCLE CHIRURGICALE**
[72] GOODWIN, ROBERT A., JR., US
[72] GEPHART, MATTHEW P., US
[71] A&E ADVANCED CLOSURE SYSTEMS, LLC, US
[85] 2018-07-20
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[54] **THERAPIE D'UN TROUBLE DU NEURODEVELOPPEMENT**
[72] MISSLING, CHRISTOPHER U., US
[71] ANAVEX LIFE SCIENCES CORP., US
[85] 2018-07-20
[86] 2017-01-24 (PCT/US2017/014702)
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[30] US (62/287,062) 2016-01-26

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[25] EN
[54] **UPLINK CHANNEL DESIGN FOR SLOT-BASED TRANSMISSION TIME INTERVAL (TTI)**
[54] **CONCEPTION DE CANAL DE LIAISON MONTANTE POUR INTERVALLE DE TEMPS DE TRANSMISSION (TTI) REPOSANT SUR DES CRENEAUX**
[72] CHEN, WANSHI, US
[72] GAAL, PETER, US
[72] WEI, YONGBIN, US
[72] XU, HAO, US
[72] PATEL, SHIMMAN ARVIND, US
[72] HOSSEINI, SEYEDKIANOUSH, US
[72] MONTOJO, JUAN, US
[72] DAMNJANOVIC, ALEKSANDAR, US
[71] QUALCOMM INCORPORATED, US
[85] 2018-07-20
[86] 2017-01-25 (PCT/US2017/014911)
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[30] US (62/294,958) 2016-02-12
[30] US (15/414,370) 2017-01-24

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[25] FR
[54] **FAECALIBACTERIUM PRAUSNITZII STRAIN CNCM I-4573 FOR THE TREATMENT AND PREVENTION OF GASTROINTESTINAL INFLAMMATION**
[54] **SOUCHE DE FAECALIBACTERIUM PRAUSNITZII CNCM I-4573 POUR LE TRAITEMENT ET LA PREVENTION D'UNE INFLAMMATION GASTRO-INTESTINALE**
[72] LANGELLA, PHILIPPE, FR
[72] MARTIN ROSIQUE, REBECA, FR
[72] BERMUDEZ HUMARAN, LUIS, FR
[72] CHAIN, FLORIAN, FR
[72] SOKOL, HARRY, FR
[71] INSTITUT NATIONAL DE LA RECHERCHE AGRONOMIQUE (INRA), FR
[71] SORBONNE UNIVERSITE, FR
[71] ASSISTANCE PUBLIQUE - HOPITAUX DE PARIS, FR
[85] 2018-07-20
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[87] (WO2017/129515)
[30] FR (1650567) 2016-01-25

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[51] **Int.Cl. B64C 9/22 (2006.01) B64D 15/12 (2006.01)**
[25] FR
[54] **AIRCRAFT WING COMPRISING A MOVABLE FLAP AND A HOUSING FOR ACCOMMODATING FLEXIBLE PIPING**
[54] **AILE D'AERONEF COMPRENANT UN VOLET MOBILE ET UN BOITIER DE RANGEMENT DE TUBULURE SOUPLE**
[72] DUMONT, NICOLAS, FR
[72] PENOUILH, SYLVAIN, BE
[71] SONACA S.A., BE
[85] 2018-07-20
[86] 2017-01-24 (PCT/EP2017/051361)
[87] (WO2017/129536)
[30] BE (2016/5069) 2016-01-27

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[51] **Int.Cl. H05B 37/02 (2006.01) A61B 5/00 (2006.01) H05B 33/00 (2006.01) H05B 33/08 (2006.01) H05B 37/00 (2006.01)**
[25] EN
[54] **CONFIGURABLE LIGHTING SYSTEM**
[54] **SYSTEME D'ECLAIRAGE CONFIGURABLE**
[72] BAILEY, CHRIS, US
[72] YADAV, PRITAM, US
[71] HUBBELL INCORPORATED, US
[85] 2018-07-20
[86] 2017-02-22 (PCT/US2017/018827)
[87] (WO2017/147122)
[30] US (62/298,193) 2016-02-22

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[51] **Int.Cl. B67D 7/22 (2010.01) B67D 7/34 (2010.01) B60S 5/02 (2006.01)**
[25] EN
[54] **INTELLIGENT FUEL DISPENSERS**
[54] **DISTRIBUTEURS DE CARBURANT INTELLIGENTS**
[72] MORRIS, JOHN JOSEPH, US
[72] NEGLEY, SCOTT, R., US
[72] BIRKLER, ANNIKA, SE
[72] CARLSSON, RICHARD, SE
[72] JEITLER, PATRICK, US
[72] KRETZLER, RANDAL S., US
[71] WAYNE FUELING SYSTEMS LLC, US
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[30] US (62/325,796) 2016-04-21
[30] US (62/342,410) 2016-05-27
[30] US (62/349,513) 2016-06-13

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[51] **Int.Cl. C12P 19/14 (2006.01) C08H 8/00 (2010.01) C10L 1/02 (2006.01) C12P 7/10 (2006.01) C12P 19/02 (2006.01) C13K 1/02 (2006.01)**
[25] EN
[54] **PRETREATMENT OF LIGNOCELLULOSIC BIOMASS WITH SULFUR DIOXIDE AND/OR SULFUROUS ACID**
[54] **PRETRAITEMENT DE BIOMASSE LIGNOCELLULOSIQUE AVEC DU DIOXYDE DE SOUFRE ET/OU DE L'ACIDE SULFUREUX**
[72] DECHMAN, JOHN, CA
[72] FOODY, BRIAN, CA
[71] IOGEN CORPORATION, CA
[85] 2018-07-23
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[51] **Int.Cl. G06F 17/00 (2006.01)**
[25] EN
[54] **METHOD OF VISUALLY INTERACTING WITH A DOCUMENT BY DYNAMICALLY DISPLAYING A FILL AREA IN A BOUNDARY**
[54] **PROCEDE D'INTERACTION VISUELLE AVEC UN DOCUMENT PAR AFFICHAGE DYNAMIQUE D'UNE ZONE DE REMPLISSAGE DANS UNE LIMITE**
[72] WEZOREK, JOSEPH W., US
[71] BLUEBEAM, INC., US
[85] 2018-07-20
[86] 2018-01-09 (PCT/US2018/012902)
[87] (WO2018/129510)
[30] US (62/444,234) 2017-01-09
[30] US (15/864,989) 2018-01-08

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[51] **Int.Cl. C12N 9/22 (2006.01)**
[25] EN
[54] **MINI-ILL RNASES, METHODS FOR CHANGING SPECIFICITY OF RNA SEQUENCE CLEAVAGE BY MINI-ILL RNASES, AND USES THEREOF**
[54] **RNASES MINI-III, PROCEDES DE MODIFICATION DE LA SPECIFICITE DU CLIVAGE DE SEQUENCE D'ARN PAR DES RNASES MINI-III ET LEURS UTILISATIONS**
[72] BUJNICKI, JANUSZ, PL
[72] SKOWRONEK, KRZYSZTOF, PL
[72] GLOW, DAWID, PL
[72] KURKOWSKA, MALGORZATA, PL
[71] BIOTECH INNOVATIONS SP. Z O. O., PL
[85] 2018-07-19
[86] 2017-01-20 (PCT/IB2017/050296)
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[51] **Int.Cl. C09D 11/033 (2014.01) B41M 1/26 (2006.01) C11D 17/04 (2006.01)**
[25] EN
[54] **PROCESS FOR PRINTING WATER SOLUBLE FILM**
[54] **PROCEDE D'IMPRESSION SUR UN FILM HYDROSOLUBLE**
[72] GABRIELE, ANDREA, BE
[72] BRANDT SANZ, MIGUEL, BE
[72] CURCIC, NIKOLA, BE
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2018-07-20
[86] 2017-02-06 (PCT/US2017/016676)
[87] (WO2017/139223)
[30] US (15/040,556) 2016-02-10

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[25] EN
[54] **HYBRID CABLE CARRIER CHAIN**
[54] **CHAINE DE TRANSPORT DE CABLES HYBRIDE**
[72] GLISSMANN, JARED, US
[72] ZANOLLA, MARK, US
[72] O'BRIEN, JAY, US
[71] DYNATECT MANUFACTURING, INC., US
[85] 2018-07-20
[86] 2017-02-06 (PCT/US2017/016708)
[87] (WO2017/136827)
[30] US (62/291,250) 2016-02-04

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[51] **Int.Cl. E21B 43/02 (2006.01) E21B 43/08 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR SAND CONTROL WITH ENHANCED SAND BRIDGING**
[54] **DISPOSITIF ET PROCEDE POUR L'ELIMINATION DU SABLE AVEC EFFET DE VOUTE DE SABLE AMELIORE**
[72] VAN PETEGEM, RONALD, US
[72] BANERJEE, SUDIPTYA, US
[71] PACKERS PLUS ENERGY SERVICES INC., CA
[85] 2018-07-19
[86] 2017-01-24 (PCT/IB2017/050366)
[87] (WO2017/130102)
[30] US (62/286,679) 2016-01-25

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[25] EN
[54] **PACKAGED PRODUCT**
[54] **PRODUIT EMBALLE**
[72] KEULEERS, ROBBY RENILDE FRANCOIS, BE
[72] DE MALSCHE, KATRIEN, BE
[72] DEGEYTER, RAF GUSTAAF ALFONS, BE
[72] SAINT-IGNAN, KATY, BE
[71] THE PROCTER & GAMBLE COMPANY, US
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[86] 2017-02-09 (PCT/US2017/017075)
[87] (WO2017/139422)
[30] EP (16155328.4) 2016-02-11

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[25] EN
[54] **ANTI-BACTERIAL COMPOSITIONS**
[54] **COMPOSITIONS ANTI-BACTERIENNES**
[72] TOEBES, JAN WILLEM, CA
[71] BIOCIDIUM BIOPHARMACEUTICALS INC., CA
[85] 2018-07-23
[86] 2016-01-22 (PCT/CA2016/050055)
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[25] EN
[54] **METHOD OF COMPUTERIZED PRESENTATION OF A DOCUMENT SET VIEW FOR AUDITING INFORMATION AND MANAGING SETS OF MULTIPLE DOCUMENTS AND PAGES**
[54] **PROCEDE DE PRESENTATION INFORMATISEE DE LA VUE D'UN ENSEMBLE DE DOCUMENTS POUR VERIFIER DES INFORMATIONS ET GERER DES ENSEMBLES DE MULTIPLES DOCUMENTS ET PAGES**
[72] WEZOREK, JOSEPH W., US
[72] CHENAULT, ELLIOT, US
[71] BLUEBEAM, INC., US
[85] 2018-07-20
[86] 2017-02-13 (PCT/US2017/017715)
[87] (WO2017/139793)
[30] US (62/294,431) 2016-02-12

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[51] **Int.Cl. B22F 3/23 (2006.01) B22F 3/24 (2006.01) C22C 1/04 (2006.01)**
[25] EN
[54] **PROCESSES FOR PRODUCING TANTALUM ALLOYS AND NIOBIUM ALLOYS**
[54] **PROCEDES DE PRODUCTION D'ALLIAGES DE TANTALE ET D'ALLIAGES DE NIOBIUM**
[72] FAJARDO, ARNEL M., US
[72] FOLTZ, JOHN W., US
[71] ATI PROPERTIES LLC, US
[85] 2018-07-20
[86] 2017-02-15 (PCT/US2017/017852)
[87] (WO2017/142884)
[30] US (15/043,751) 2016-02-15

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[25] EN
[54] **CONTROLLING A SWITCHED CAPACITOR BANK IN A VOLTAGE CONTROLLED OSCILLATOR FOR WIRELESS SENSOR DEVICES**
[54] **COMMANDE D'UNE BATTERIE DE CONDENSATEURS COMMUTES DANS UN OSCILLATEUR COMMANDE EN TENSION POUR DES DISPOSITIFS CAPTEURS SANS FIL**
[72] MANKU, TAJINDER, CA
[72] YAVORSKYY, VOLODYMYR, CA
[71] COGNITIVE SYSTEMS CORP., CA
[85] 2018-07-23
[86] 2016-12-13 (PCT/CA2016/051465)
[87] (WO2017/136917)
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[51] **Int.Cl. G02F 1/35 (2006.01)**
[25] EN
[54] **OPTICAL FREQUENCY MIXING MODULE**
[54] **MODULE DE MELANGE DE FREQUENCES OPTIQUES**
[72] MAKER, GARETH THOMAS, GB
[72] MALCOLM, GRAEME PETER ALEXANDER, GB
[72] WEBSTER, STEPHEN, GB
[71] M SQUARED LASERS LIMITED, GB
[85] 2018-07-23
[86] 2017-02-03 (PCT/GB2017/050276)
[87] (WO2017/137728)
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[51] **Int.Cl. G06F 12/02 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR ACCESSING FLASH MEMORY DEVICE**
[54] **PROCEDE ET APPAREIL D'ACCES A UN DISPOSITIF DE MEMOIRE FLASH**
[72] SHI, LIANG, CN
[72] XUE, CHUN, CN
[72] LI, QIAO, CN
[72] SHAN, DONGFANG, CN
[72] XU, JUN, CN
[72] WANG, YUANGANG, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2018-07-23
[86] 2016-02-19 (PCT/CN2016/074140)
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[51] **Int.Cl. B64C 1/00 (2006.01) B64D 29/06 (2006.01) B64D 33/00 (2006.01)**
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[54] **MODULAR AIRCRAFT**
[54] **AERONEF MODULAIRE**
[72] CRAWFORD, TRISTAN A. D., GB
[71] AERALIS LTD, GB
[85] 2018-07-23
[86] 2017-02-03 (PCT/GB2017/050280)
[87] (WO2017/134459)
[30] GB (1602059.6) 2016-02-04

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[51] **Int.Cl. C12N 9/10 (2006.01) C07K 7/64 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND USES THEREOF**
[54] **COMPOSITIONS ET LEURS UTILISATIONS**
[72] WARENIUS, HILMAR M., GB
[71] WARENIUS, HILMAR M., GB
[85] 2018-07-23
[86] 2017-02-10 (PCT/GB2017/050343)
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[30] GB (1602409.3) 2016-02-10

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[51] **Int.Cl. A45C 13/18 (2006.01) A45C 15/00 (2006.01)**
[25] FR
[54] **LUGGAGE ITEM WITH RADIO-TAG READER**
[54] **BAGAGE A LECTEUR DE RADIO-ETIQUETTE**
[72] MANNARELLI, VALERIE, FR
[71] OJH SAS, FR
[85] 2018-07-20
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[87] (WO2017/125696)
[30] FR (1650517) 2016-01-22

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[51] **Int.Cl. B65G 47/71 (2006.01) B65G 47/84 (2006.01)**
[25] FR
[54] **CONVEYING SYSTEM WITH A PLURALITY OF OUTLETS**
[54] **CONVOYAGE A PLUSIEURS SORTIES**
[72] GEHIN, ANTHONY, FR
[72] HUTTER, PATRICK, FR
[71] GEBO PACKAGING SOLUTIONS FRANCE, FR
[85] 2018-07-20
[86] 2017-02-17 (PCT/FR2017/050361)
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[25] EN
[54] **RAPIDLY DEPLOYABLE MODULAR SHELTER SYSTEM**
[54] **SYSTEME D'ABRI MODULAIRE A DEPLOIEMENT RAPIDE**
[72] JOHNSON, BRIAN D., CA
[72] SAVENKOFF, RYAN DOUGLAS, CA
[71] WEATHERHAVEN GLOBAL RESOURCES LTD., CA
[85] 2018-07-23
[86] 2017-01-25 (PCT/CA2017/050071)
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[30] US (62/287,313) 2016-01-26

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[51] **Int.Cl. A61F 5/00 (2006.01) A61B 17/00 (2006.01) A61L 31/04 (2006.01) A61L 31/06 (2006.01) A61L 31/14 (2006.01)**
[25] EN
[54] **COVERING FILM WITHIN DUODENUM**
[54] **FILM DE RECOUVREMENT DANS LE DUODENUM**
[72] WAN, PING, CN
[71] WAN, PING, CN
[85] 2018-07-23
[86] 2016-12-09 (PCT/CN2016/109284)
[87] (WO2017/124847)
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[51] **Int.Cl. E21B 33/068 (2006.01)**
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[54] **WELL ACCESS TOOL**
[54] **OUTIL D'ACCES DE PUITS**
[72] SORENSEN, BJORN BRO, NO
[71] QUALITY INTERVENTION TECHNOLOGY AS, NO
[85] 2018-07-23
[86] 2017-01-25 (PCT/EP2017/051571)
[87] (WO2017/129632)
[30] GB (1601321.1) 2016-01-25

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[51] **Int.Cl. C10M 169/04 (2006.01) C03B 40/02 (2006.01)**
[25] EN
[54] **LUBRICANT COMPOSITION AND USES THEREOF**
[54] **COMPOSITION LUBRIFIANTE ET UTILISATIONS ASSOCIEES**
[72] JONGERT, DIRK, BE
[72] BREYE, FRANCOIS, BE
[71] VDV LUBRICANTS, BE
[85] 2018-07-23
[86] 2017-01-27 (PCT/EP2017/051825)
[87] (WO2017/129778)
[30] BE (2016/5077) 2016-01-29

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[51] **Int.Cl. H01M 8/18 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PREPARING HIGH-ACTIVITY SPECIFIC-VALENCE-STATE ELECTROLYTE OF ALL-VANADIUM FLOW BATTERY**
[54] **SYSTEME ET PROCEDE DE PREPARATION D'ELECTROLYTE DE VALENCE SPECIFIQUE A HAUTE ACTIVITE DE BATTERIE REDOX TOUT EN VANADIUM**
[72] ZHU, QINGSHAN, CN
[72] YANG, HAITAO, CN
[72] FAN, CHUANLIN, CN
[72] MU, WENHENG, CN
[72] LIU, JIBIN, CN
[72] WANG, CUNHU, CN
[72] BAN, QIXUN, CN
[71] INSTITUTE OF PROCESS ENGINEERING, CHINESE ACADEMY OF SCIENCES, CN
[71] BEIJING ZHONGKAIHONGDE TECHNOLOGY CO., LTD., CN
[85] 2018-07-23
[86] 2017-01-16 (PCT/CN2017/071203)
[87] (WO2017/128965)
[30] CN (201610059741.6) 2016-01-28

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[51] **Int.Cl. C07K 14/005 (2006.01) A61K 39/00 (2006.01) A61K 39/245 (2006.01) G01N 33/569 (2006.01)**
[25] EN
[54] **TRUNCATED GLYCOPROTEIN G OF HERPES SIMPLEX VIRUS 2**
[54] **GLYCOPROTEINE G TRONQUEE DU VIRUS HERPES SIMPLEX 2**
[72] LILJEQVIST, JAN-AKE, SE
[71] SIMPLEXIA AB, SE
[85] 2018-07-23
[86] 2017-01-31 (PCT/EP2017/052070)
[87] (WO2017/134061)
[30] SE (1650122-3) 2016-02-01

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[51] **Int.Cl. H01M 8/18 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PREPARING HIGH PURITY VANADIUM ELECTROLYTE**
[54] **SYSTEME ET PROCEDE DE PREPARATION D'ELECTROLYTE AU VANADIUM A HAUTE PURETE**
[72] ZHU, QINGSHAN, CN
[72] YANG, HAITAO, CN
[72] FAN, CHUANLIN, CN
[72] MU, WENHENG, CN
[72] LIU, JIBIN, CN
[72] WANG, CUNHU, CN
[72] BAN, QIXUN, CN
[71] INSTITUTE OF PROCESS ENGINEERING, CHINESE ACADEMY OF SCIENCES, CN
[71] BEIJING ZHONGKAIHONGDE TECHNOLOGY CO., LTD, CN
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[25] EN
[54] **A SYSTEM AND METHOD FOR PRODUCING HIGH-PURITY AND HIGH-ACTIVITY VANADIUM ELECTROLYTE**
[54] **SYSTEME ET PROCEDE DE PRODUCTION D'ELECTROLYTE AU VANADIUM A ACTIVITE ELEVEE DE HAUTE PURETE**
[72] YANG, HAITAO, CN
[72] ZHU, QINGSHAN, CN
[72] FAN, CHUANLIN, CN
[72] MU, WENHENG, CN
[72] LIU, JIBIN, CN
[72] WANG, CUNHU, CN
[72] BAN, QIXUN, CN
[71] INSTITUTE OF PROCESS ENGINEERING, CHINESE ACADEMY OF SCIENCES, CN
[71] BEIJING ZHONGKAIHONGDE TECHNOLOGY CO., LTD, CN
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[87] (WO2017/128967)
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[25] EN
[54] **ENDOSIALIN-BINDING ANTIBODY**
[54] **ANTICORPS SE LIANT A L'ENDOSIALINE**
[72] IACOBELLI, STEFANO, IT
[72] DI RISIO, ANNALISA, IT
[72] PICCOLO, ENZA, IT
[72] SALA, GIANLUCA, IT
[72] CAPONE, EMILY, IT
[71] MEDIAPHARMA S.R.L., IT
[85] 2018-07-23
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[30] EP (16154507.4) 2016-02-05

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[51] **Int.Cl. H01M 8/18 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PREPARING VANADIUM BATTERY HIGH-PURITY ELECTROLYTE**
[54] **SYSTEME ET PROCEDE DE PREPARATION D'ELECTROLYTE DE HAUTE PURETE POUR BATTERIE AU VANADIUM**
[72] YANG, HAITAO, CN
[72] ZHU, QINGSHAN, CN
[72] FAN, CHUANLIN, CN
[72] MU, WENHENG, CN
[72] LIU, JIBIN, CN
[72] WANG, CUNHU, CN
[72] BAN, QIXUN, CN
[71] INSTITUTE OF PROCESS ENGINEERING, CHINESE ACADEMY OF SCIENCES, CN
[71] BEIJING ZHONGKAIHONGDE TECHNOLOGY CO., LTD, CN
[85] 2018-07-23
[86] 2017-01-16 (PCT/CN2017/071206)
[87] (WO2017/128968)
[30] CN (201610060029.8) 2016-01-28

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[51] **Int.Cl. H01J 49/28 (2006.01)**
[25] EN
[54] **FLOATING MAGNET FOR A MASS SPECTROMETER**
[54] **AIMANT FLOTTANT POUR UN SPECTROMETRE DE MASSE**
[72] ANDRZEJEWSKI, ROCH, PL
[72] BARRAHMA, RACHID, LU
[72] DOWSETT, DAVID, LU
[72] WIRTZ, TOM, LU
[71] LUXEMBOURG INSTITUTE OF SCIENCE AND TECHNOLOGY (LIST), LU
[85] 2018-07-23
[86] 2017-02-07 (PCT/EP2017/052635)
[87] (WO2017/137390)
[30] LU (92970) 2016-02-08

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[25] EN
[54] **SYSTEM AND METHOD FOR PRODUCING 3.5-VALENCE HIGH-PURITY VANADIUM ELECTROLYTE**
[54] **SYSTEME ET PROCEDE DE PRODUCTION D'ELECTROLYTE AU VANADIUM DE VALENCE 3,5 DE PURETE ELEVEE**
[72] FAN, CHUANLIN, CN
[72] ZHU, QINGSHAN, CN
[72] YANG, HAITAO, CN
[72] MU, WENHENG, CN
[72] LIU, JIBIN, CN
[72] WANG, CUNHU, CN
[72] BAN, QIXUN, CN
[71] INSTITUTE OF PROCESS ENGINEERING, CHINESE ACADEMY OF SCIENCES, CN
[71] BEIJING ZHONGKAIHONGDE TECHNOLOGY CO., LTD, CN
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[87] (WO2017/128969)
[30] CN (201610060093.6) 2016-01-28

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[13] A1
[51] **Int.Cl. H02S 20/30 (2014.01)**
[25] EN
[54] **PHOTOVOLTAIC SUPPORT**
[54] **SUPPORT PHOTOVOLTAIQUE**
[72] XU, DONGYUAN, CN
[72] HUANG, MENG, CN
[72] NAN, SHUGONG, CN
[72] LIU, XIA, CN
[72] TANG, WENQIANG, CN
[72] LIANG, RONGXIN, CN
[72] QUAN, JIANMING, CN
[71] GREE ELECTRIC APPLIANCES, INC. OF ZHUHAI, CN
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[87] (WO2017/125071)
[30] CN (201610046168.5) 2016-01-22

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[13] A1
[51] **Int.Cl. B64D 13/00 (2006.01)**
[25] EN
[54] **AIRCRAFT AND WARNING DEVICE FOR AN "ENGINE OIL SMELL" IN A CABIN OF AN AIRCRAFT**
[54] **AVION ET DISPOSITIF D'ALARME EN CAS D' « ODEUR D'HUILE DE MOTEUR » DANS UNE CABINE D'UN AVION**
[72] WINTER, KIRSTEN, DE
[72] WITZEMANN, TARQUINIO, DE
[72] NYENHUIS, ROBERT, DE
[72] KNORR, WERNER, DE
[72] CONRAD, TORSTEN, DE
[72] PETER, JENS, DE
[72] MULLER, MICHAEL, DE
[72] CHIROKOLAVA, ANDREI, DE
[71] LUFTHANSA TECHNIK AG, DE
[71] DEUTSCHE LUFTHANSA AKTIENGESELLSCHAFT, DE
[85] 2018-07-23
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[87] (WO2017/137429)
[30] DE (10 2016 201 924.4) 2016-02-09

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[25] EN
[54] **VECTOR**
[54] **VECTEUR**
[72] KOKAIA, MERAB, SE
[71] COMBIGENE AB, SE
[85] 2018-07-23
[86] 2017-02-10 (PCT/EP2017/053049)
[87] (WO2017/137585)
[30] SE (1650192-6) 2016-02-12

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[51] **Int.Cl. A61K 35/12 (2015.01) A61K 35/15 (2015.01) A61K 35/17 (2015.01) A61K 35/51 (2015.01) A01N 1/02 (2006.01) A61K 35/28 (2015.01) A61K 39/395 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **PREVENTION OF GRAFT REJECTION BY PRIOR USE OF MODIFIED GRAFTS**
[54] **PREVENTION DU REJET DE GREFFE PAR UTILISATION PREALABLE DE GREFFONS MODIFIES**
[72] EMMRICH, FRANK, DE
[72] FRICKE, STEPHAN, DE
[72] HILGER, NADJA, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
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[86] 2017-02-15 (PCT/EP2017/053417)
[87] (WO2017/140735)
[30] EP (16000373.7) 2016-02-15

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[51] **Int.Cl. G02C 13/00 (2006.01) A61B 3/113 (2006.01) G02C 7/06 (2006.01)**
[25] EN
[54] **METHOD FOR DETERMINING AN OPHTHALMIC LENS ADAPTED TO A LOCOMOTION PARAMETER**
[54] **PROCEDE DE DETERMINATION D'UNE LENTILLE OPHTALMIQUE ADAPTEE A UN PARAMETRE DE LOCOMOTION**
[72] TRANVOUEZ-BERNARDIN, DELPHINE, FR
[72] BARANTON, KONOGAN, FR
[72] POULAIN, ISABELLE, FR
[72] CALIXTE, LAURENT, FR
[71] ESSILOR INTERNATIONAL, FR
[85] 2018-07-23
[86] 2017-03-09 (PCT/EP2017/055578)
[87] (WO2017/157760)
[30] EP (16305279.8) 2016-03-15

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[51] **Int.Cl. A24F 47/00 (2006.01)**
[25] EN
[54] **MULTIPLE DISPERSION GENERATOR E-VAPING DEVICE**
[54] **DISPOSITIF DE VAPORISATION ELECTRONIQUE COMPRENANT PLUSIEURS GENERATEURS DE DISPERSION**
[72] ROSTAMI, ALI A., US
[72] KOBAL, GERD, US
[72] PITHAWALLA, YEZDI, US
[72] KANE, DAVID, US
[72] TUCKER, CHRISTOPHER S., US
[72] LIPOWICZ, PETER, US
[72] FLORA, JASON, US
[72] KARLES, GEORGE, US
[72] MISHRA, MUNMAYA K., US
[72] BARNES, CATHERINE, US
[72] ARENA, RICHARD, US
[71] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2018-07-23
[86] 2017-03-10 (PCT/EP2017/055725)
[87] (WO2017/153589)
[30] US (15/067,810) 2016-03-11

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[51] **Int.Cl. A24F 47/00 (2006.01)**
[25] EN
[54] **MULTIPLE DISPERSION GENERATOR E-VAPING DEVICE**
[54] **DISPOSITIF DE VAPORISATION ELECTRONIQUE COMPRENANT PLUSIEURS GENERATEURS DE DISPERSION**
[72] ROSTAMI, ALI A., US
[72] KOBAL, GERD, US
[72] PITHAWALLA, YEZDI, US
[72] TUCKER, CHRISTOPHER S., US
[72] KARLES, GEORGE, US
[72] MISHRA, MUNMAYA K., US
[72] LI, SAN, US
[71] PHILIP MORRIS PRODUCTS S.A., CH
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[87] (WO2017/153592)
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[51] **Int.Cl. B41J 3/407 (2006.01) B41M 5/00 (2006.01) B44C 5/04 (2006.01) E04F 15/00 (2006.01)**
[25] EN
[54] **SYSTEM, METHOD AND COMPUTER PROGRAM FOR EDGING PARTS BY PRINTING**
[54] **SYSTEME, PROCEDE ET PROGRAMME DE DELIGNAGE DE PIECES AU MOYEN DE L'IMPRESSION**
[72] URRUTIA BAZAN, ARNALDO, ES
[72] MARTINEZ OSES, JOSE MARIA, ES
[71] URRUTIA BAZAN, ARNALDO, ES
[85] 2018-07-23
[86] 2016-02-12 (PCT/ES2016/070082)
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[51] **Int.Cl. A45F 5/02 (2006.01)**
[25] EN
[54] **DEVICE FOR ATTACHING GLASSES TO GARMENTS**
[54] **DISPOSITIF DE SUPPORT PERMETTANT DE FIXER DES LUNETTES SUR DES VETEMENTS**
[72] GRIFOLS ROURA, RAIMON, ES
[71] GRIFOLS ROURA, RAIMON, ES
[85] 2018-07-23
[86] 2017-06-01 (PCT/ES2017/070392)
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[30] ES (P201631560) 2016-12-07

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[13] A1
[51] **Int.Cl. H01J 49/06 (2006.01)**
[25] EN
[54] **EXTRACTION SYSTEM FOR CHARGED SECONDARY PARTICLES FOR USE IN A MASS SPECTROMETER OR OTHER CHARGED PARTICLE DEVICE**
[54] **SYSTEME D'EXTRACTION POUR PARTICULES SECONDAIRES CHARGEES DESTINEES A ETRE UTILISEES DANS UN SPECTROMETRE DE MASSE OU UN AUTRE DISPOSITIF A PARTICULES CHARGEES**
[72] DOWSETT, DAVID, LU
[71] LUXEMBOURG INSTITUTE OF SCIENCE AND TECHNOLOGY (LIST), LU
[85] 2018-07-23
[86] 2017-02-17 (PCT/EP2017/053657)
[87] (WO2017/140868)
[30] LU (92980) 2016-02-19

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[51] **Int.Cl. A01K 43/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD TO DETECT UPSIDE DOWN EGGS**
[54] **APPAREIL ET PROCEDE DE DETECTION D'□UFS DISPOSES A L'ENVERS**
[72] MALET, BERTRAND, FR
[72] TRUBUIL, LAURA, FR
[72] ANDRIAMIARISOA, MAHARAVO, FR
[71] EGG-CHICK AUTOMATED TECHNOLOGIES, FR
[85] 2018-07-23
[86] 2017-02-07 (PCT/IB2017/000160)
[87] (WO2017/137837)
[30] US (62/292,554) 2016-02-08

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[51] **Int.Cl. F16D 65/092 (2006.01) F16D 65/00 (2006.01)**
[25] EN
[54] **FRICTION ASSEMBLY, BRAKE CALIPER AND MANUFACTURING METHOD**
[54] **ENSEMBLE DE FRICTION, ETRIER DE FREIN ET PROCEDE DE FABRICATION**
[72] GAVAZZI, ANDREA, IT
[72] VAROTTO, PAOLO, IT
[72] MAESTRINI, LUCA, IT
[71] FRENI BREMBO S.P.A., IT
[85] 2018-07-23
[86] 2017-01-26 (PCT/IB2017/050403)
[87] (WO2017/137863)
[30] IT (102016000012650) 2016-02-08

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[51] **Int.Cl. H01J 49/06 (2006.01)**
[25] EN
[54] **EXTRACTION SYSTEM FOR CHARGED SECONDARY PARTICLES FOR USE IN A MASS SPECTROMETER OR OTHER CHARGED PARTICLE DEVICE**
[54] **SYSTEME D'EXTRACTION DE PARTICULES SECONDAIRES CHARGEES A UTILISER DANS UN SPECTROMETRE DE MASSE OU UN AUTRE DISPOSITIF DE PARTICULES CHARGEES**
[72] DOWSETT, DAVID, LU
[71] LUXEMBOURG INSTITUTE OF SCIENCE AND TECHNOLOGY (LIST), LU
[85] 2018-07-23
[86] 2017-02-17 (PCT/EP2017/053658)
[87] (WO2017/140869)
[30] LU (LU92981) 2016-02-19

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[51] **Int.Cl. C07D 241/04 (2006.01) C07D 295/12 (2006.01)**
[25] EN
[54] **PROCESS FOR THE MANUFACTURE OF 3-PIPERAZIN-1-YL-PROPYLAMINE DERIVATIVES**
[54] **PROCEDE DE PRODUCTION DE DERIVES DE 3-PIPERAZIN-1-YL-PROPYLAMINE**
[72] WANG, SHAONING, CH
[72] HILDBRAND, STEFAN, CH
[71] F.HOFFMANN-LA ROCHE AG, CH
[85] 2018-07-23
[86] 2017-02-20 (PCT/EP2017/053770)
[87] (WO2017/144404)
[30] EP (16156707.8) 2016-02-22

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[51] **Int.Cl. B60G 17/017 (2006.01) A61G 3/06 (2006.01) B60G 17/00 (2006.01) B60G 17/005 (2006.01) B60G 17/015 (2006.01)**
[25] EN
[54] **SYSTEM FOR RAISING AND LOWERING VEHICLE**
[54] **SYSTEME DE SOULEVEMENT ET D'ABAISSEMENT DE VEHICULE**
[72] KANGAS, AARON, US
[71] EM SOLUTIONS INCORPORATED, US
[85] 2018-07-23
[86] 2017-01-27 (PCT/IB2017/050455)
[87] (WO2017/130159)
[30] US (62/287,737) 2016-01-27

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[51] **Int.Cl. B23B 27/14 (2006.01)**
[25] EN
[54] **CIRCULAR CUTTING INSERT HAVING NON-CIRCULAR PERIPHERAL EDGE**
[54] **INSERT DE COUPE CIRCULAIRE PRESENTANT UN BORD PERIPHERIQUE NON CIRCULAIRE**
[72] HECHT, GIL, IL
[72] HEN, DANIEL, IL
[71] ISCAR LTD., IL
[85] 2018-07-23
[86] 2017-01-18 (PCT/IL2017/050068)
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[51] **Int.Cl. B65D 50/04 (2006.01) A61J 1/03 (2006.01) A61J 7/04 (2006.01) B65D 83/04 (2006.01)**
[25] EN
[54] **CHILD RESISTANT AND SENIOR FRIENDLY DISPENSING SYSTEM**
[54] **SYSTEME DE DISTRIBUTION AVEC SECURITE ENFANTS ET CONCU POUR LES PERSONNES AGEES**
[72] BENOUALI, NADIR, FR
[72] ARNOLD, WILLIAM, US
[71] MEDICODOSE SYSTEMS SAS, FR
[85] 2018-07-23
[86] 2017-01-27 (PCT/IB2017/050457)
[87] (WO2017/130160)
[30] US (62/288,911) 2016-01-29

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[51] **Int.Cl. G06F 3/048 (2013.01) G06Q 30/06 (2012.01) G06F 3/0482 (2013.01) G06F 3/0485 (2013.01)**
[25] EN
[54] **PRODUCT DISPLAY GRAPHIC USER INTERFACE**
[54] **INTERFACE UTILISATEUR GRAPHIQUE D'UN DISPOSITIF D'AFFICHAGE DE PRODUITS**
[72] ITTAH, ROY, IL
[71] ROYAL APP LTD., IL
[85] 2018-07-23
[86] 2017-02-14 (PCT/IB2017/050826)
[87] (WO2017/137969)
[30] US (62/295,078) 2016-02-14
[30] US (62/369,772) 2016-08-02

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[51] **Int.Cl. A61F 2/16 (2006.01) G02B 5/18 (2006.01)**
[25] EN
[54] **ADJUSTING THE APODIZATION PATTERN FOR DIFFRACTIVE IOLS**
[54] **AJUSTEMENT DU MOTIF D'APODISATION POUR CRISTALLIN ARTIFICIELS DE DIFFRACTION**
[72] MACKOOL, RICHARD, US
[71] NOVARTIS AG, CH
[85] 2018-07-23
[86] 2017-02-16 (PCT/IB2017/050886)
[87] (WO2017/149403)
[30] US (15/059,581) 2016-03-03

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[51] **Int.Cl. C07K 16/22 (2006.01) A61K 39/395 (2006.01)**
[25] EN
[54] **TGFBETA 2 ANTIBODIES**
[54] **ANTICORPS ANTI-TGFBETA 2**
[72] IBEBUNJO, CHIKWENDU, US
[72] JACOBI, CARSTEN, CH
[72] MEYER, ANGELIKA, CH
[72] SCHAADT, EVELINE, DE
[72] TRENDELENBURG, ANNE-ULRIKE, US
[72] VLADIMIROVNA MITINA, OLGA, DE
[71] NOVARTIS AG, CH
[85] 2018-07-23
[86] 2017-02-17 (PCT/IB2017/050917)
[87] (WO2017/141208)
[30] US (62/296,282) 2016-02-17

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[51] **Int.Cl. A61M 15/06 (2006.01) A24F 47/00 (2006.01)**
[25] EN
[54] **ONE-WAY VALVE FOR REFILLING AN AEROSOL DELIVERY DEVICE**
[54] **VALVE ANTIRETOUR POUR RECHARGER UN DISPOSITIF D'ADMINISTRATION D'AEROSOL**
[72] DAVIS, MICHAEL F., US
[72] PHILLIPS, PERCY D., US
[72] ROGERS, JAMES WILLIAM, US
[72] MINSKOFF, NOAH M., US
[71] RAI STRATEGIC HOLDINGS, INC., US
[85] 2018-07-23
[86] 2017-01-26 (PCT/IB2017/050424)
[87] (WO2017/130138)
[30] US (15/008,323) 2016-01-27

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[51] **Int.Cl. B60Q 3/43 (2017.01) B60Q 3/47 (2017.01) B60Q 3/74 (2017.01) B60Q 3/80 (2017.01) B64D 11/00 (2006.01)**
[25] EN
[54] **VEHICLE COLOR-LIGHTING CONTROL SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE COMMANDE D'ECLAIRAGE DE COULEUR DE VEHICULE**
[72] HACK, JONATHAN WAYNE, CA
[71] BOMBARDIER INC., CA
[85] 2018-07-23
[86] 2017-02-17 (PCT/IB2017/050926)
[87] (WO2017/141213)
[30] US (62/297,210) 2016-02-19

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[13] A1
[51] **Int.Cl. C21D 11/00 (2006.01) C21D 9/56 (2006.01)**
[25] EN
[54] **STEEL SHEET TEMPERATURE CONTROL DEVICE AND TEMPERATURE CONTROL METHOD**
[54] **DISPOSITIF DE REGULATION DE TEMPERATURE DE TOLE D'ACIER ET PROCEDE DE REGULATION DE TEMPERATURE**
[72] OGASAHARA, TOMOYOSHI, JP
[72] YAMADA, GOKI, JP
[71] JFE STEEL CORPORATION, JP
[85] 2018-07-23
[86] 2016-11-02 (PCT/JP2016/082552)
[87] (WO2017/130508)
[30] JP (2016-014429) 2016-01-28

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[13] A1
[51] **Int.Cl. G08B 19/00 (2006.01) G01J 1/02 (2006.01) G06F 3/16 (2006.01) G08B 3/10 (2006.01) G08B 13/08 (2006.01) G08B 13/10 (2006.01) G08B 21/12 (2006.01) G08B 21/18 (2006.01) G08B 25/10 (2006.01) G08B 25/14 (2006.01)**
[25] EN
[54] **SOCIAL SAFETY NETWORK SYSTEM HAVING PORTABLE LIGHT FOR BOTH WIRELESS DISASTER FIRE DETECTION AND CRIME PREVENTION**
[54] **SYSTEME DE RESEAU DE SECURITE PUBLIQUE AYANT UNE LAMPE PORTATIVE POUR DETECTION D'INCENDIE CATASTROPHIQUE ET PREVENTION DE LA CRIMINALITE SANS FIL**
[72] LIM, IN TAEK, KR
[71] LIM, IN TAEK, KR
[85] 2018-07-23
[86] 2016-10-24 (PCT/KR2016/011962)
[87] (WO2017/131320)
[30] KR (10-2016-0008536) 2016-01-25

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[51] **Int.Cl. B01J 19/00 (2006.01) B01D 9/02 (2006.01) B01F 3/08 (2006.01) B01F 5/10 (2006.01) B01F 7/16 (2006.01) B01F 7/26 (2006.01) B01J 14/00 (2006.01) C01F 7/34 (2006.01) C01F 11/18 (2006.01) C01G 9/02 (2006.01) C07C 227/42 (2006.01) C07C 229/08 (2006.01)**
[25] EN
[54] **DEVICE FOR PRODUCING PARTICLES AND METHOD FOR PRODUCING PARTICLES**
[54] **DISPOSITIF DE PRODUCTION DE PARTICULES ET PROCEDE DE PRODUCTION DE PARTICULES**
[72] DOYA, YO, JP
[71] TSUKISHIMA KIKAI CO., LTD., JP
[85] 2018-07-23
[86] 2017-01-11 (PCT/JP2017/000531)
[87] (WO2017/130687)
[30] JP (2016-013593) 2016-01-27

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[13] A1
[51] **Int.Cl. G06Q 20/02 (2012.01) G06F 21/62 (2013.01) H04L 9/06 (2006.01)**
[25] EN
[54] **METHOD AND SERVER FOR PROVIDING NOTARY SERVICE FOR FILE AND VERIFYING FILE RECORDED BY NOTARY SERVICE**
[54] **PROCEDE ET SERVEUR PERMETTANT DE FOURNIR UN SERVICE DE NOTAIRE POUR UN DOSSIER ET DE VERIFIER UN DOSSIER ENREGISTRE PAR UN SERVICE DE NOTAIRE**
[72] UHR, JOON SUN, KR
[72] HONG, JAY WU, KR
[72] SONG, JOO HAN, KR
[71] COINPLUG, INC., KR
[85] 2018-07-23
[86] 2017-02-01 (PCT/KR2017/001071)
[87] (WO2017/135669)
[30] KR (10-2016-0012760) 2016-02-02

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[13] A1
[51] **Int.Cl. B22D 11/10 (2006.01) B22D 41/56 (2006.01)**
[25] EN
[54] **IMMERSION-NOZZLE REPLACEMENT APPARATUS**
[54] **DISPOSITIF DE REMPLACEMENT DE BUSETTE IMMERGEE**
[72] HATTANDA, HIROKATSU, JP
[72] YAMAUCHI, NORIAKI, JP
[71] TYK CORPORATION, JP
[85] 2018-07-23
[86] 2017-01-24 (PCT/JP2017/002229)
[87] (WO2017/135096)
[30] JP (2016-017148) 2016-02-01

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[51] **Int.Cl. B32B 7/12 (2006.01) B32B 5/02 (2006.01) B32B 27/08 (2006.01) B32B 27/12 (2006.01) B32B 27/32 (2006.01) F41H 5/04 (2006.01)**
[25] EN
[54] **COMPOSITE BALLISTIC RESISTANT LAMINATE**
[54] **STRATIFIE COMPOSITE A RESISTANCE BALISTIQUE**
[72] SINGLETARY, JAMES NEAL, US
[72] CARBAJAL, LEOPOLDO ALEJANDRO, US
[72] KAMPERT, WILLIAM GEORGE, US
[72] LIBERT, TIMOTHY A., US
[72] SAUER, BRYAN BENEDICT, US
[72] HARDING, KENNETH C., US
[71] E I DU PONT DE NEMOURS AND COMPANY, US
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[86] 2016-05-16 (PCT/US2016/032699)
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[30] US (15/133,283) 2016-04-20

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[51] **Int.Cl. H04W 48/08 (2009.01)**
[25] EN
[54] **USER TERMINAL, RADIO BASE STATION, AND RADIO COMMUNICATION METHOD**
[54] **TERMINAL D'UTILISATEUR, STATION DE BASE SANS FIL, ET PROCEDE DE COMMUNICATION SANS FIL**
[72] TAKEDA, KAZUKI, JP
[72] HARADA, HIROKI, JP
[72] TAKEDA, KAZUAKI, JP
[72] NAGATA, SATOSHI, JP
[71] NTT DOCOMO, INC., JP
[85] 2018-07-23
[86] 2017-01-26 (PCT/JP2017/002643)
[87] (WO2017/131065)
[30] JP (2016-016195) 2016-01-29

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[51] **Int.Cl. C07C 233/47 (2006.01) A61K 31/198 (2006.01) A61K 31/221 (2006.01) A61K 31/223 (2006.01) A61K 31/655 (2006.01) A61P 3/10 (2006.01) A61P 25/00 (2006.01) A61P 25/16 (2006.01) A61P 25/18 (2006.01) A61P 25/28 (2006.01) A61P 43/00 (2006.01) C07C 229/28 (2006.01) C07C 247/14 (2006.01) C07D 213/40 (2006.01)**
[25] EN
[54] **ADAMANTANE DERIVATIVE AND USE THEREOF**
[54] **DERIVE D'ADAMANTANE ET SON UTILISATION**
[72] MORIGUCHI, SHIGEKI, JP
[72] FUKUNAGA, KOJI, JP
[72] IWABUCHI, YOSHIHARU, JP
[71] TOHOKU UNIVERSITY, JP
[85] 2018-07-23
[86] 2017-01-26 (PCT/JP2017/002760)
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[30] JP (2016-012392) 2016-01-26

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[51] **Int.Cl. B65D 35/56 (2006.01) A61J 7/00 (2006.01) A61J 15/00 (2006.01) F16K 15/14 (2006.01) F16L 3/00 (2006.01)**
[25] EN
[54] **ORAL HYDRATION SYSTEM**
[54] **SYSTEME D'HYDRATATION ORALE**
[72] HADEN, JIM, US
[71] HADEN, JIM, US
[85] 2018-07-23
[86] 2017-01-21 (PCT/US2017/014466)
[87] (WO2017/127766)
[30] US (62/282,000) 2016-01-22

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[51] **Int.Cl. B02C 17/02 (2006.01) B02C 17/00 (2006.01) B02C 17/18 (2006.01) B22D 31/00 (2006.01) B22D 43/00 (2006.01)**
[25] EN
[54] **MULTI DIRECTIONAL RIFLING AND MULTI FLOW VARIABLE SPEED RIFLING FOR LINER SEGMENTS FOR CRUSHERS, RECLAIMERS, SEPARATORS AND CLEANERS FOR PRODUCTS**
[54] **RAYURES MULTIDIRECTIONNELLES ET RAYURES A VITESSE VARIABLE A FLUX MULTIPLES POUR SEGMENTS DE REVETEMENT DE BROYEURS, DE DISPOSITIFS DE RECUPERATION, DE SEPARATEURS ET DE DISPOSITIFS DE NETTOYAGE POUR DES PRODUITS**
[72] DIDION, MICHAEL, US
[72] DIDION, MARK, US
[71] DIDION MANUFACTURING COMPANY, US
[85] 2018-07-23
[86] 2017-02-01 (PCT/US2017/000011)
[87] (WO2017/139043)
[30] US (62/388,839) 2016-02-08

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[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/0205 (2006.01) A61B 5/04 (2006.01) A61B 5/0402 (2006.01) A61B 5/16 (2006.01) G01N 27/22 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DETECTING PHYSICAL CHANGES WITHOUT PHYSICAL CONTACT**
[54] **SYSTEMES ET PROCEDES DE DETECTION DE CHANGEMENTS PHYSIQUES SANS CONTACT PHYSIQUE**
[72] LANGLEY, JOHN B., US
[72] MCILROY, GUY, US
[71] LIFE DETECTION TECHNOLOGIES, INC., US
[85] 2018-07-23
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[30] US (62/287,598) 2016-01-27

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[25] EN
[54] **METHODS AND SYSTEM TO PREDICT HAND POSITIONS FOR MULTI-HAND GRASPS OF INDUSTRIAL OBJECTS**
[54] **PROCEDES ET SYSTEME DE PREDICTION DE POSITIONS DES MAINS POUR SAISIES MANUELLES MULTIPLES D'OBJETS INDUSTRIELS**
[72] ARISOY, ERHAN, US
[72] MUSUVATHY, SURAJ RAVI, US
[72] ULU, ERVA, US
[72] GECER ULU, NURCAN, US
[71] SIEMENS PRODUCT LIFECYCLE MANAGEMENT SOFTWARE INC., US
[85] 2018-07-23
[86] 2017-01-24 (PCT/US2017/014713)
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[51] **Int.Cl. E06B 3/22 (2006.01) E06B 3/44 (2006.01) E06B 9/40 (2006.01)**
[25] EN
[54] **WINDOW MAINFRAME COMPONENT FOR EMERGENCY ESCAPE AND RESCUE OPENING WINDOWS**
[54] **COMPOSANT DE CADRE PRINCIPAL DE FENETRE POUR FENETRES A OUVERTURE D'EVACUATION D'URGENCE ET DE SECOURS**
[72] GILKEY, MICHAEL, US
[71] GILKEY WINDOW COMPANY, US
[85] 2018-07-23
[86] 2017-01-24 (PCT/US2017/014697)
[87] (WO2017/132124)
[30] US (15/005,494) 2016-01-25

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[25] EN
[54] **SYSTEM FOR OUT OF BORE FOCAL LASER THERAPY**
[54] **SYSTEME POUR THERAPIE LASER FOCALE HORS CADRE**
[72] NATARAJAN, SHYAM, US
[72] PRIESTER, ALAN MARTIN, US
[72] GARRITANO, JAMES, US
[72] MARKS, LEONARD, US
[72] GRUNDFEST, WARREN, US
[72] GEOGHEGAN, RORY, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2018-07-23
[86] 2017-01-26 (PCT/US2017/015088)
[87] (WO2017/132345)
[30] US (62/287,105) 2016-01-26

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[51] **Int.Cl. B42D 25/20 (2014.01) B42D 25/305 (2014.01) B42D 15/00 (2006.01)**
[25] EN
[54] **GIFT ASSEMBLIES**
[54] **ENSEMBLES DE CADEAU**
[72] MAYER, DAVID, US
[72] MARSH, ALLISON, US
[72] MILLER, CAROL, US
[72] NELSON, GARY, US
[71] AMERICAN GREETINGS CORPORATION, US
[85] 2018-07-23
[86] 2017-01-26 (PCT/US2017/015186)
[87] (WO2017/132412)
[30] US (62/287,206) 2016-01-26
[30] US (62/400,866) 2016-09-28
[30] US (62/403,600) 2016-10-03

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[51] **Int.Cl. H02J 50/12 (2016.01) H02J 50/90 (2016.01) H03H 7/38 (2006.01)**
[25] EN
[54] **CONTROLLING WIRELESS POWER TRANSFER SYSTEMS**
[54] **COMMANDE DE SYSTEMES DE TRANSFERT DE PUISSANCE SANS FIL**
[72] KURS, ANDRE B., US
[72] DEBRAUN, DAVID R., US
[71] WITRICITY CORPORATION, US
[85] 2018-07-23
[86] 2017-02-02 (PCT/US2017/016119)
[87] (WO2017/136491)
[30] US (62/290,325) 2016-02-02
[30] US (62/379,618) 2016-08-25

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[51] **Int.Cl. G01F 23/00 (2006.01)**
[25] EN
[54] **SMART ALGORITHM TO DETERMINE "STEAM BOILER WATER CONDITION"**
[54] **ALGORITHME INTELLIGENT PERMETTANT DE DETERMINER UN "ETAT D'EAU DE CHAUDIERE A VAPEUR"**
[72] SHAH, PRATIK N., US
[72] GU, JAMES J., US
[71] FLUID HANDLING LLC, US
[85] 2018-07-23
[86] 2017-01-27 (PCT/US2017/015268)
[87] (WO2017/132467)
[30] US (62/287,727) 2016-01-27

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[13] A1
[51] **Int.Cl. B62D 33/067 (2006.01) B62D 33/073 (2006.01)**
[25] EN
[54] **MECHANICAL CONTROL LINKAGE**
[54] **TRANSMISSIONS DE COMMANDE MECANIQUE**
[72] DEHNERT, BRIAN P., US
[72] HANSEN, RONALD S., US
[72] KALDOR, MATTHEW J., US
[72] HOESEL, JERET L., US
[72] ROEHRL, JONATHAN J., US
[71] CLARK EQUIPMENT COMPANY, US
[85] 2018-07-23
[86] 2017-02-03 (PCT/US2017/016525)
[87] (WO2017/136737)
[30] US (62/291,861) 2016-02-05
[30] US (62/292,539) 2016-02-08

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[51] **Int.Cl. A61K 35/12 (2015.01) C12N 15/113 (2010.01) A61K 31/713 (2006.01) A61P 31/18 (2006.01) C12N 5/10 (2006.01) C12N 15/10 (2006.01)**
[25] EN
[54] **SHORT HAIRPIN RNA (SHRNA734) AND USE OF SAME TO POSITIVELY SELECT AND ELIMINATE GENETICALLY MODIFIED CELLS**
[54] **ARN COURT EN EPINGLE A CHEVEUX (SHRNA734) ET SON UTILISATION POUR SELECTIONNER POSITIVEMENT ET ELIMINER DES CELLULES GENETIQUEMENT MODIFIEES**
[72] AN, DONG SUNG, US
[72] SHIMIZU, SAKI, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2018-07-23
[86] 2017-02-17 (PCT/US2017/018483)
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[30] US (62/297,432) 2016-02-19

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[25] EN
[54] **COMBINING ELECTRONIC MONITORING WITH INHALED PHARMACOLOGICAL THERAPY TO MANAGE CARDIAC ARRHYTHMIAS INCLUDING ATRIAL FIBRILLATION**
[54] **COMBINAISON DE LA SURVEILLANCE ELECTRONIQUE AVEC UNE THERAPIE PHARMACOLOGIQUE PAR INHALATION POUR GERER DES ARYTHMIES CARDIAQUES DONT LA FIBRILLATION AURICULAIRE**
[72] NARASIMHAN, RANGACHARI, US
[72] BELARDINELLI, LUIZ, US
[72] SCHULER, CARLOS A., US
[71] INCARDA THERAPEUTICS, INC., US
[85] 2018-07-23
[86] 2017-02-01 (PCT/US2017/016018)
[87] (WO2017/136421)
[30] US (62/289,473) 2016-02-01

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[25] EN
[54] **MULTI-MODE TRIMMER HEAD**
[54] **TETE DE TAILLE-BORDURES MULTIMODE**
[72] CABRERA, OSCAR, US
[72] JOHNSON, ROBERT, US
[71] MTD PRODUCTS INC, US
[85] 2018-07-23
[86] 2017-02-22 (PCT/US2017/018915)
[87] (WO2017/147172)
[30] US (62/298,177) 2016-02-22
[30] US (62/332,260) 2016-05-05

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[51] **Int.Cl. B23K 31/00 (2006.01) B23K 26/21 (2014.01) B23K 9/02 (2006.01) B23K 15/00 (2006.01)**
[25] EN
[54] **METHOD FOR IMPROVING FATIGUE STRENGTH OF LAP-WELDED JOINT, LAP-WELDED JOINT MANUFACTURING METHOD, AND LAP-WELDED JOINT**
[54] **PROCEDE D'AMELIORATION DE LA RESISTANCE A LA FATIGUE DE JOINT SOUDE PAR RECOUVREMENT, PROCEDE DE FABRICATION DE JOINT SOUDE PAR RECOUVREMENT, ET JOINT SOUDE PAR RECOUVREMENT**
[72] KIKUCHI, SHOTA, JP
[72] FUKUMOTO, MANABU, JP
[71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
[85] 2018-07-23
[86] 2017-01-27 (PCT/JP2017/003027)
[87] (WO2017/131186)
[30] JP (2016-014694) 2016-01-28
[30] JP (2016-182613) 2016-09-20

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[51] **Int.Cl. A47K 10/38 (2006.01) A47K 10/32 (2006.01)**
[25] EN
[54] **MECHANICAL DISPENSER FOR PERFORATED SHEET PRODUCTS**
[54] **DISTRIBUTEUR MECANIQUE POUR PRODUITS EN FEUILLE PERFOREE**
[72] ROZEK, ROY J., US
[72] WILLIQUETTE, MATTHEW K. F., US
[71] GPCP IP HOLDINGS LLC, US
[85] 2018-07-23
[86] 2017-01-26 (PCT/US2017/015023)
[87] (WO2017/132311)
[30] US (62/286,993) 2016-01-26

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[51] **Int.Cl. H04L 27/26 (2006.01) H04W 72/04 (2009.01) H04J 1/00 (2006.01) H04L 27/01 (2006.01)**
[25] EN
[54] **TERMINAL DEVICE AND COMMUNICATION METHOD**
[54] **DISPOSITIF TERMINAL, ET PROCEDE DE COMMUNICATION**
[72] HAYASHI, TAKASHI, JP
[72] OUCHI, WATARU, JP
[72] AIBA, TATSUSHI, JP
[72] SUZUKI, SHOICHI, JP
[71] SHARP KABUSHIKI KAISHA, JP
[85] 2018-07-23
[86] 2017-02-01 (PCT/JP2017/003630)
[87] (WO2017/135312)
[30] JP (2016-019537) 2016-02-04

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[25] EN
[54] **ANGLE-ADJUSTABLE POSITIONING AND SELF-CLOSING HINGE FOR HIGHLY SEALED DOOR**
[54] **CHARNIERE A POSITIONNEMENT ANGULAIRE REGLABLE ET FERMETURE AUTOMATIQUE POUR PORTE FORTEMENT SCELLEE**
[72] WU, YULONG, CN
[71] TONGGUAN (XIAMEN) ELECTRONIC TECHNOLOGY CO., LTD., CN
[85] 2018-07-12
[86] 2016-09-28 (PCT/CN2016/100555)
[87] (WO2017/054728)
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[30] CN (201520761852.2) 2015-09-29
[30] CN (201610794539.8) 2016-08-31

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[25] EN
[54] **CARBON CATALYST FOR REDOX FLOW BATTERY ELECTRODES**
[54] **CATALYSEUR CARBONE POUR ELECTRODES DE BATTERIE REDOX**
[72] KISHIMOTO, TAKEAKI, JP
[72] MIZUSHIRI, MAYUMI, JP
[71] NISSHINBO HOLDINGS INC., JP
[85] 2018-07-23
[86] 2017-02-03 (PCT/JP2017/003991)
[87] (WO2017/145708)
[30] JP (2016-036336) 2016-02-26

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[51] **Int.Cl. E02D 29/02 (2006.01) E02D 17/20 (2006.01) E02D 29/00 (2006.01) E02D 29/045 (2006.01)**
[25] EN
[54] **GEOSYNTHETIC REINFORCED WALL PANELS COMPRISING SOIL REINFORCING MEMBERS**
[54] **PANNEAUX MURAUX RENFORCES GEOSYNTHETIQUES COMPRENANT DES ELEMENTS DE RENFORT DE SOL**
[72] SMITH, AARON D., US
[72] LUPTAK, STEPHEN A., US
[72] RIGGIO, JEREMIAH, US
[72] WISSMANN, KORD J., US
[71] TENSAR INTERNATIONAL CORPORATION, US
[85] 2018-07-23
[86] 2017-02-02 (PCT/US2017/016165)
[87] (WO2017/136518)
[30] US (62/290,258) 2016-02-02

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[25] EN
[54] **TEAT OPENING PROTECTION PATCH FOR LIVESTOCK**
[54] **PANSEMENT PROTECTEUR DU FORAMEN PAPILLAIRE DU BETAIL**
[72] INUI, YOJI, JP
[72] KONDO, HITOSHI, JP
[72] SHIRAI, KATSUHIRO, JP
[71] TOKUYAMA CORPORATION, JP
[85] 2018-07-23
[86] 2017-02-16 (PCT/JP2017/005756)
[87] (WO2017/150203)
[30] JP (2016-037458) 2016-02-29
[30] JP (2016-081396) 2016-04-14

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[51] **Int.Cl. A61K 48/00 (2006.01) A61K 31/713 (2006.01) A61K 35/76 (2015.01) A61P 27/02 (2006.01) C12N 15/63 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **ANTI-ANGIOGENIC MIRNA THERAPEUTICS FOR INHIBITING CORNEAL NEOVASCULARIZATION**
[54] **AGENTS THERAPEUTIQUES A BASE DE MICRO-ARN ANTI-ANGIOGENIQUES POUR L'INHIBITION DE LA NEOVASCULARISATION CORNEENNE**
[72] GAO, GUANGPING, US
[72] LU, YI, CN
[72] ZHENG, QIANG, CN
[72] XUN, XU, CN
[72] ZAMORE, PHILLIP D., US
[72] TAI, PHILLIP, US
[71] UNIVERSITY OF MASSACHUSETTS, US
[85] 2018-07-23
[86] 2017-02-10 (PCT/US2017/017469)
[87] (WO2017/139643)
[30] US (62/294,362) 2016-02-12

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[51] **Int.Cl. H04B 3/10 (2006.01) H04B 10/2507 (2013.01) H04B 10/61 (2013.01) H04L 27/01 (2006.01) H04L 27/26 (2006.01)**
[25] EN
[54] **COMPENSATION COEFFICIENT CALCULATION METHOD**
[54] **PROCEDE DE CALCUL DE COEFFICIENT DE COMPENSATION**
[72] TAKAMUKU, TOMOHIRO, JP
[72] YAMAZAKI, ETSUSHI, JP
[72] YOSHIDA, YUKI, JP
[72] OYAMA, KATSUICHI, JP
[72] ONUMA, YASUHARU, JP
[72] YAMAGISHI, AKIHIRO, JP
[71] NTT ELECTRONICS CORPORATION, JP
[85] 2018-07-23
[86] 2017-04-26 (PCT/JP2017/016467)
[87] (WO2017/208686)
[30] JP (2016-112001) 2016-06-03

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[51] **Int.Cl. E21B 36/00 (2006.01) E21B 36/02 (2006.01) E21B 36/04 (2006.01) E21B 43/16 (2006.01) E21B 43/20 (2006.01) E21B 43/24 (2006.01) E21B 43/34 (2006.01) F22G 3/00 (2006.01) F22G 5/02 (2006.01) F22G 5/16 (2006.01) F22G 5/20 (2006.01)**
[25] EN
[54] **REAL TIME MODELING AND CONTROL SYSTEM, FOR STEAM WITH SUPER-HEAT FOR ENHANCED OIL AND GAS RECOVERY**
[54] **SYSTEME DE MODELISATION EN TEMPS REEL ET DE COMMANDE POUR VAPEUR A SURCHAUFFE POUR L'AMELIORATION DE LA RECUPERATION DE PETROLE ET DE GAZ**
[72] JURANITCH, JAMES C., US
[72] SKINNER, RAYMOND C., US
[72] REYNOLDS, ALAN C., US
[71] XDI HOLDINGS, LLC, US
[85] 2018-07-23
[86] 2017-02-02 (PCT/US2017/016244)
[87] (WO2017/136571)
[30] US (62/290,214) 2016-02-02
[30] US (62/298,453) 2016-02-22

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[51] **Int.Cl. A61K 39/395 (2006.01) A61K 9/00 (2006.01) A61K 47/02 (2006.01) A61K 47/10 (2017.01) A61K 47/18 (2017.01) A61K 47/26 (2006.01) A61P 9/00 (2006.01) A61P 27/02 (2006.01) C07K 16/24 (2006.01)**
[25] EN
[54] **IL-6 ANTAGONIST FORMULATIONS AND USES THEREOF**
[54] **FORMULATIONS D'ANTAGONISTES D'IL-6 ET LEURS UTILISATIONS**
[72] ZARBIS-PAPASTOITSIS, GRIGORIOS, US
[72] LOWDEN, PATRICIA, US
[71] SESEN BIO, INC., US
[85] 2018-07-23
[86] 2017-02-23 (PCT/US2017/019131)
[87] (WO2017/147293)
[30] US (62/298,774) 2016-02-23

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[51] **Int.Cl. E02F 3/32 (2006.01) B60N 2/40 (2006.01) E02F 9/16 (2006.01) E02F 9/20 (2006.01)**
[25] EN
[54] **SMALL LOADER**
[54] **PETIT CHARGEUR**
[72] BREUER, JIM M., US
[71] CLARK EQUIPMENT COMPANY, US
[85] 2018-07-23
[86] 2017-02-03 (PCT/US2017/016523)
[87] (WO2017/136736)
[30] US (62/291,844) 2016-02-05

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[13] A1
[51] **Int.Cl. F17C 1/06 (2006.01) F17C 1/14 (2006.01)**
[25] EN
[54] **WOUND-IN END PROTECTION COMPONENT FOR PRESSURE VESSEL**
[54] **COMPOSANT DE PROTECTION D'EXTREMITE ENROULE POUR RECIPIENT SOUS PRESSION**
[72] SCHIMENTI, JOHN, US
[72] YEGGY, BRIAN C., US
[71] HEXAGON TECHNOLOGY AS, NO
[85] 2018-07-23
[86] 2017-03-07 (PCT/US2017/021046)
[87] (WO2017/155917)
[30] US (62/304,540) 2016-03-07

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[13] A1
[51] **Int.Cl. C08G 59/50 (2006.01) C08G 59/56 (2006.01) C08J 5/04 (2006.01)**
[25] EN
[54] **BLEND FOR CURING EPOXY RESIN COMPOSITIONS**
[54] **MELANGE POUR DURCIR DES COMPOSITIONS DE RESINE EPOXY**
[72] ZHOU, HUI, US
[72] LEWIS, DAVID C., US
[72] DARRAGAS, KATHY, BE
[72] KLEIN, HOWARD P., US
[72] GRIGSBY, ROBERT A., US
[72] CHEN, FEIXIA, BE
[71] HUNTSMAN PETROCHEMICAL LLC, US
[85] 2018-07-23
[86] 2017-06-16 (PCT/US2017/037941)
[87] (WO2017/218934)
[30] US (62/350,985) 2016-06-16

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[13] A1
[51] **Int.Cl. B62D 49/02 (2006.01) B62D 55/06 (2006.01)**
[25] EN
[54] **TRACKED UTILITY VEHICLE**
[54] **VEHICULE UTILITAIRE A CHENILLES**
[72] HANSEN, RONALD S., US
[71] CLARK EQUIPMENT COMPANY, US
[85] 2018-07-23
[86] 2017-02-06 (PCT/US2017/016707)
[87] (WO2017/136826)
[30] US (62/291,850) 2016-02-05

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[13] A1
[51] **Int.Cl. E04C 1/00 (2006.01) E02D 17/20 (2006.01) E02D 29/02 (2006.01) E04B 2/00 (2006.01) E04B 2/02 (2006.01)**
[25] EN
[54] **MULTI-ORIENTED SEGMENTAL WALL BLOCKS, SOIL REINFORCING SYSTEM, AND METHODS**
[54] **BLOCS POUR MURS SEGMENTAIRES A ORIENTATIONS MULTIPLES, SYSTEME DE RENFORCEMENT DE SOL, ET PROCEDES**
[72] LUPTAK, STEPHEN A., US
[72] SMITH, AARON D., US
[72] PERALTA, ANDRES F., US
[72] LIEW, WILLIE, US
[71] TENSAR INTERNATIONAL CORPORATION, US
[85] 2018-07-23
[86] 2017-02-08 (PCT/US2017/017002)
[87] (WO2017/139369)
[30] US (62/292,441) 2016-02-08

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[13] A1
[51] **Int.Cl. C08G 18/65 (2006.01) C08G 18/08 (2006.01) C08G 18/34 (2006.01) C08G 18/69 (2006.01) C08G 18/75 (2006.01) C08G 18/80 (2006.01) C08J 5/06 (2006.01) C09D 139/08 (2006.01) C09D 175/04 (2006.01) D06M 15/564 (2006.01)**
[25] EN
[54] **MODIFIED POLYMERS AND STABLE EMULSIONS COMPRISING THE SAME**
[54] **POLYMERES MODIFIES ET EMULSIONS STABLES LES COMPRENANT**
[72] SALORT, FABIEN, FR
[72] MONSALLIER, JEAN-MARC, FR
[71] FINA TECHNOLOGY, INC., US
[85] 2018-07-23
[86] 2017-02-22 (PCT/US2017/018799)
[87] (WO2017/147107)
[30] US (15/054,431) 2016-02-26

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[13] A1
[51] **Int.Cl. F22B 1/00 (2006.01) F22B 1/18 (2006.01) F22B 1/22 (2006.01) F22B 1/26 (2006.01) F22B 3/00 (2006.01)**
[25] EN
[54] **IMPROVED DIRTY WATER AND EXHAUST CONSTITUENT FREE, DIRECT STEAM GENERATION, CONVAPORATOR SYSTEM, APPARATUS AND METHOD**
[54] **SYSTEME DE GENERATION DIRECTE DE VAPEUR EXEMPTE D'EAU SOUILLEE ET DE CONSTITUANTS DE COMBUSTION (CONVAPORATOR), APPAREIL ET PROCEDE ASSOCIES**
[72] JURANITCH, JAMES C., US
[72] SKINNER, RAYMOND C., US
[72] REYNOLDS, ALAN C., US
[71] XDI HOLDINGS, LLC, US
[85] 2018-07-23
[86] 2017-02-28 (PCT/US2017/019978)
[87] (WO2017/151635)
[30] US (62/301,521) 2016-02-29

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[51] **Int.Cl. G06T 7/40 (2017.01) A61B 5/00 (2006.01) G06F 19/00 (2018.01) G06K 9/00 (2006.01)**
[25] EN
[54] **IMPROVED IMAGE ANALYSIS ALGORITHMS USING CONTROL SLIDES**
[54] **ALGORITHMES D'ANALYSE D'IMAGE AMELIORES AU MOYEN DE LAMES DE CONTROLE**
[72] SARKAR, ANINDYA, US
[71] VENTANA MEDICAL SYSTEMS, INC., US
[85] 2018-07-23
[86] 2017-03-01 (PCT/US2017/020245)
[87] (WO2017/151799)
[30] US (62/302,062) 2016-03-01
[30] US (62/464,972) 2017-02-28

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[13] A1
[51] **Int.Cl. B01F 3/00 (2006.01) B01F 3/04 (2006.01) B01F 5/00 (2006.01) B01F 5/04 (2006.01)**
[25] EN
[54] **COMPOSITIONS CONTAINING NANO-BUBBLES IN A LIQUID CARRIER**
[54] **COMPOSITIONS CONTENANT DES NANOBULLES DANS UN SUPPORT LIQUIDE**
[72] RUSSELL, WARREN STUART, US
[72] SCHOLTEN, BRUCE, US
[71] MOLEAER, INC, US
[85] 2018-07-23
[86] 2017-03-10 (PCT/US2017/021814)
[87] (WO2017/156410)
[30] US (62/306,637) 2016-03-11

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[51] **Int.Cl. A01H 5/10 (2018.01) A01N 3/02 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **INSECTICIDAL POLYPEPTIDES HAVING IMPROVED ACTIVITY SPECTRUM AND USES THEREOF**
[54] **POLYPEPTIDES INSECTICIDES AYANT UN SPECTRE D'ACTIVITE AMELIORE ET LEURS UTILISATIONS**
[72] HORN, CAROLINE, US
[72] LAU, SABINA, US
[72] IZUMI WILCOXON, MICHI, US
[72] YAMAMOTO, TAKASHI, US
[72] ZHENG, YI, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[85] 2018-07-23
[86] 2017-04-12 (PCT/US2017/027160)
[87] (WO2017/180715)
[30] US (62/322,535) 2016-04-14

Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

Demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant

[21] **2,953,744**
[13] A1
[51] **Int.Cl. E01H 5/10 (2006.01)**
[25] EN
[54] **FRESNEL SNOW MELTER**
[54] **DISPOSITIF DE FONTE DES NEIGES AU MOYEN D'UNE LENTILLE DE FRESNEL**
[72] CASTELLUZZO, LUIGI A., CA
[71] CASTELLUZZO, LUIGI A., CA
[22] 2017-01-06
[41] 2018-07-06

[21] **2,953,752**
[13] A1
[51] **Int.Cl. G02B 27/01 (2006.01)**
[25] EN
[54] **VIRTUAL REALITY APPARATUS AND METHODS THEREFOR**
[54] **APPAREIL DE REALITE VIRTUELLE ET METHODES ASSOCIEES**
[72] GEISINGER, DARIO, IL
[72] SAUL, ALBERTO, IL
[71] LIBRA AT HOME LTD, IL
[22] 2017-01-06
[41] 2018-07-06

[21] **2,953,756**
[13] A1
[51] **Int.Cl. C22B 1/00 (2006.01) C22B 11/00 (2006.01) G01N 27/04 (2006.01)**
[25] EN
[54] **METHOD OF DETECTION AND EXTRACTING PRECIOUS METALS FROM ORE-BEARING SLURRY**
[54] **METHODE DE DETECTION ET EXTRACTION DE METAUX PRECIEUX A PARTIR DE BOUES CONTENANT DU MINERAI**
[72] BUDACH, BERNHARD, PE
[71] OUTCOME INTERNATIONAL INC., BB
[22] 2017-01-06
[41] 2018-07-06

[21] **2,953,766**
[13] A1
[51] **Int.Cl. E01H 5/02 (2006.01)**
[25] EN
[54] **MANUAL SNOW PLOW SHOVEL**
[54] **PELLE CHASSE-NEIGE MANUELLE**
[72] SEGALL, SAUL, CA
[71] SEGALL, SAUL, CA
[22] 2017-01-06
[41] 2018-07-06

[21] **2,953,902**
[13] A1
[51] **Int.Cl. B25H 3/00 (2006.01) B25H 3/04 (2006.01)**
[25] EN
[54] **TOOL HOLDING FRAME**
[54] **STRUCTURE DE MAINTIEN D'OUTIL**
[72] KAO, JUI-CHIEN, TW
[71] KAO, JUI-CHIEN, CN
[22] 2017-01-09
[41] 2018-07-09

[21] **2,953,913**
[13] A1
[51] **Int.Cl. A47C 19/04 (2006.01) A47C 27/00 (2006.01) A47D 7/00 (2006.01)**
[25] EN
[54] **STRUCTURE FOR SIZE-ADJUSTABLE SAFETY BEDDING**
[54] **STRUCTURE DESTINEE A UN MATELAS DE SECURITE AJUSTABLE**
[72] SOMERS, RONALD L., AU
[71] SOMERS, RONALD L., AU
[22] 2017-01-09
[41] 2018-07-09

[21] **2,953,918**
[13] A1
[51] **Int.Cl. B62B 5/04 (2006.01) B60T 7/16 (2006.01)**
[25] EN
[54] **SURE STOP SHOPPING CART BRAKE ACTIVATION**
[54] **ACTIVATION DE FREIN DE CHARIOT D'ACHAT A ARRET SUR**
[72] HOHL, GERALD A., CA
[71] HOHL, GERALD A., CA
[22] 2017-01-09
[41] 2018-07-09

[21] **2,953,931**
[13] A1
[51] **Int.Cl. E03F 5/14 (2006.01) E03F 1/00 (2006.01)**
[25] EN
[54] **SETTLING BASIN INSERT**
[54] **INSERTION DE BASSIN DE DECANTATION**
[72] BRAUN, STEPHEN, CA
[72] STRATFORD, HAL, CA
[71] CB SHIELD INC., CA
[22] 2017-01-06
[41] 2018-07-06

[21] **2,953,953**
[13] A1
[51] **Int.Cl. G10L 15/16 (2006.01) G06N 3/02 (2006.01) G06N 3/04 (2006.01) G10L 15/28 (2013.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR EXTRACTING AUDITORY FEATURES WITH NEURAL NETWORKS**
[54] **METHODES ET SYSTEMES D'EXTRACTION DE FONCTIONNALITES AUDITIVES AU MOYEN DE RESEAUX NEURONAUX**
[72] BEKOLAY, TREVOR, US
[71] APPLIED BRAIN RESEARCH INC., CA
[22] 2017-01-06
[41] 2018-07-06

[21] **2,953,954**
[13] A1
[51] **Int.Cl. B01J 23/20 (2006.01) B01J 37/04 (2006.01) B01J 37/08 (2006.01)**
[25] EN
[54] **DOUBLE PEROXIDE TREATMENT OF OXIDATIVE DEHYDROGENATION CATALYST**
[54] **TRAITEMENT AU PEROXYDE DOUBLE DE CATALYSEUR DE DESHYDROGENATION OXYDATIVE**
[72] SIMANZHENKOV, VASILY, CA
[72] GAO, XIAOLIANG, CA
[72] SULLIVAN, DAVID, CA
[72] BARNES, MARIE, CA
[72] DRAG, HANNA, CA
[71] NOVA CHEMICALS CORPORATION, CA
[22] 2017-01-06
[41] 2018-07-06

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[13] A1
[51] **Int.Cl. G01S 13/89 (2006.01) G01N 22/00 (2006.01)**
[25] EN
[54] **FLEXIBLE LOW-COST MM-WAVE SFCW RADAR BASED IMAGING INSPECTION SYSTEM**
[54] **RADAR SFWC A ONDES MILLIMETRIQUES, FLEXIBLE ET ECONOMIQUE, FONDE SUR LE SYSTEME D'INSPECTION PAR IMAGERIE**
[72] SAFAVI-NAEINI, SAFIEDDIN, CA
[72] SHAHIR, SHAHED, CA
[71] OZ OPTICS LTD., CA
[22] 2017-01-09
[41] 2018-07-09

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[13] A1
[51] **Int.Cl. B60P 7/02 (2006.01) B60J 11/06 (2006.01) B62D 33/04 (2006.01)**
[25] EN
[54] **PICKUP TRUCK BED COVER**
[54] **COUVRE-PLATEFORME DE CAMION**
[72] LAWSON, MARK, CA
[71] LAWSON, MARK, CA
[22] 2017-01-17
[41] 2018-07-16
[30] US (15/406,846) 2017-01-16

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[13] A1
[51] **Int.Cl. A45C 3/08 (2006.01) A45C 1/00 (2006.01) A45C 3/06 (2006.01) A45C 13/08 (2006.01)**
[25] EN
[54] **SLIDING TILE PUZZLE BAG**
[54] **SAC DE PUZZLE A TUILE COULISSANTE**
[72] THUNG, TANYA, CA
[71] THUNG, TANYA, CA
[22] 2017-01-25
[41] 2018-07-07
[30] US (15400992) 2017-01-07

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[13] A1
[51] **Int.Cl. C12N 9/10 (2006.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 1/19 (2006.01) C12N 15/54 (2006.01) C12N 15/81 (2006.01) C12N 15/82 (2006.01) C12P 7/64 (2006.01)**
[25] EN
[54] **PLANT DGAT-1 VARIANTS**
[54] **VARIANTES VEGETALES DE DGAT-1**
[72] WESELAKE, RANDALL, CA
[72] CHEN, GUANGUN, CA
[72] SILOTO, RODRIGO, CA
[72] TRUSKA, MARTIN, CA
[72] XU, YANG, CA
[72] CALDO, KRISTIAN, CA
[71] THE GOVERNORS OF THE UNIVERSITY OF ALBERTA, CA
[22] 2017-02-27
[41] 2018-07-06
[30] US (62/443,102) 2017-01-06

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[21] **2,962,215**
[13] A1
[51] **Int.Cl. G01M 11/02 (2006.01) H04B 10/071 (2013.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR DIFFERENTIATING MACRO-BEND LOSSES FROM SPLICE AND CONNECTOR LOSSES IN FIBER-OPTIC LINKS**
[54] **METHODE ET SYSTEME DE DIFFERENTIATION DE PERTES DE MACRO COURBURES A L'EPISSURE ET DE PERTES DE CONNECTEUR DANS LES LIAISONS A FIBRES OPTIQUES**
[72] THOLLABANDI, MADHAN, IN
[72] BEZAWADA, NAGARAJU, IN
[72] WATEKAR, PRAMOD, IN
[71] STERLITE TECHNOLOGIES LIMITED, IN
[22] 2017-03-27
[41] 2018-07-06
[30] IN (201721000632) 2017-01-06

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[21] **2,974,257**
[13] A1
[51] **Int.Cl. B64C 27/59 (2006.01) B64C 27/37 (2006.01) B64C 27/82 (2006.01)**
[25] EN
[54] **TEETERING ROTOR HUB SYSTEM**
[54] **SYSTEME DE MOYEU DE ROTOR A MOUVEMENT DE BATTEMENT**
[72] SUTTON, DREW ALAN, US
[72] STAMPS, FRANK BRADLEY, US
[71] BELL HELICOPTER TEXTRON INC., US
[22] 2017-07-20
[41] 2018-07-09
[30] US (15/401,233) 2017-01-09

[21] **2,982,178**
[13] A1
[51] **Int.Cl. C23F 11/18 (2006.01) C09D 5/08 (2006.01)**
[25] EN
[54] **SOL-GEL COATING COMPOSITIONS INCLUDING CORROSION INHIBITOR-ENCAPSULATED LAYERED METAL PHOSPHATES AND RELATED PROCESSES**
[54] **COMPOSITIONS DE REVETEMENT SOL-GEL COMPORTANT DES COUCHES DE PHOSPHATES METALLIQUES ENCAPSULES DANS UN INHIBITEUR ET PROCEDES ASSOCIES**
[72] IJERI, VIJAYKUMAR S., US
[72] PRAKASH, OM, US
[72] GAYDOS, STEPHEN P., US
[72] SUBASRI, RAGHAVAN, US
[72] RAJU, KALIDINDI RAMACHANDRA SOMA, US
[72] REDDY, DENDI SREENIVAS, US
[71] THE BOEING COMPANY, US
[22] 2017-10-10
[41] 2018-07-09
[30] US (62/444,203) 2017-01-09
[30] US (15/431,506) 2017-02-13

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[13] A1
[51] **Int.Cl. C08B 31/00 (2006.01) A23L 29/212 (2016.01) A01H 1/04 (2006.01) C08J 3/075 (2006.01) C12P 19/04 (2006.01) C12P 19/14 (2006.01) A01H 6/46 (2018.01) C13K 1/06 (2006.01)**
[25] EN
[54] **THERMAL-REVERSIBLE GELLING STARCH**
[54] **AMIDON GELIFIANT REVERSIBLE THERMIQUEMENT**
[72] JIANG, HONGXIN, US
[72] OSTRANDER, BRAD, US
[72] YANG, XIN, US
[72] LANE, CHRISTOPHER, US
[71] CORN PRODUCTS DEVELOPMENT, INC., US
[22] 2017-10-16
[41] 2018-07-06
[30] US (15/400,445) 2017-01-06

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[13] A1
[51] **Int.Cl. B64D 9/00 (2006.01) B60P 1/52 (2006.01) B64C 1/20 (2006.01) B64C 1/22 (2006.01) B65G 13/00 (2006.01) B65G 39/00 (2006.01) B65G 67/02 (2006.01)**
[25] EN
[54] **CARGO HANDLING SYSTEMS AND METHODS**
[54] **SYSTEME DE MANUTENTION DE MARCHANDISES ET METHODES**
[72] BROWN, DOUGLAS ALAN, US
[72] CLOS, WILLIAM ROBERT, US
[72] HILLS, KAREN L., US
[72] RIDDLE, AVERY, US
[72] VANDEWALL, CYNTHIA A., US
[71] THE BOEING COMPANY, US
[22] 2017-11-10
[41] 2018-07-09
[30] US (15/401451) 2017-01-09

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[21] **2,986,971**
[13] A1
[51] **Int.Cl. G06F 17/30 (2006.01) G06F 21/55 (2013.01)**
[25] EN
[54] **BINARY SEARCH OF BYTE SEQUENCES USING INVERTED INDICES**
[54] **RECHERCHE BINAIRE DE SEQUENCES DE MULTIPLET AU MOYEN D'INDICES INVERSES**
[72] COROIU, HOREA, RO
[72] RADU, DANIEL, RO
[71] CROWDSTRIKE, INC., US
[22] 2017-11-24
[41] 2018-07-06
[30] US (15/400,561) 2017-01-06

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[21] **2,987,726**
[13] A1
[51] **Int.Cl. F16B 1/00 (2006.01) B62D 25/00 (2006.01) B62D 25/04 (2006.01) F16B 2/12 (2006.01) F16B 5/00 (2006.01)**
[25] EN
[54] **PARTITION BRACKET ASSEMBLY**
[54] **ASSEMBLAGE DE SUPPORT DE DIVISION**
[72] RICHTER, THOMAS SCOTT, US
[71] ADRIAN STEEL COMPANY, US
[22] 2017-12-06
[41] 2018-07-09
[30] US (62/444,020) 2017-01-09
[30] US (15/812,113) 2017-11-14

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[13] A1
[51] **Int.Cl. F16K 51/00 (2006.01) E03C 1/04 (2006.01) F16K 31/02 (2006.01) F16K 37/00 (2006.01) F21V 33/00 (2006.01)**
[25] EN
[54] **CONNECTOR FOR AN ELECTRONIC FAUCET**
[54] **CONNECTEUR DESTINE A UN ROBINET ELECTRONIQUE**
[72] SCHNEIDER, RANDY L., II, US
[71] DELTA FAUCET COMPANY, US
[22] 2017-12-08
[41] 2018-07-06
[30] US (15/400,710) 2017-01-06

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[13] A1
[51] **Int.Cl. B65D 5/08 (2006.01) B65D 5/4805 (2006.01) B65D 5/54 (2006.01) B65D 5/66 (2006.01)**
[25] EN
[54] **PACKAGING BOX WITH CLOSURE FLAP LOCKING**
[54] **BOITE D'EMBALLAGE DOTEE D'UN VERROU DE RABAT DE FERMETURE**
[72] THOMAS, GOETZ, DE
[71] PCO GROUP GMBH, DE
[22] 2017-12-12
[41] 2018-07-09
[30] DE (102017000123.5) 2017-01-09

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[13] A1
[51] **Int.Cl. F16L 55/18 (2006.01) F16L 55/162 (2006.01) F16L 55/1645 (2006.01)**
[25] EN
[54] **A DEVICE FOR CURING PIPELINE INNER RESIN LININGS**
[54] **UN DISPOSITIF SERVANT A DURCIR LES REVETEMENTS INTERIEURS EN RESINE DES CANALISATIONS**
[72] KUZNIAR, SLAWOMIR, PL
[71] KANRES TECHNOLOGY SPOLKA Z OGRANICZONA ODPOWIEDZIALNOSCIA, PL
[22] 2017-12-15
[41] 2018-07-09
[30] EP (17460001.5) 2017-01-09

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[21] **2,989,458**
[13] A1
[51] **Int.Cl. B23K 9/10 (2006.01) B23K 9/09 (2006.01) B23K 9/095 (2006.01)**
[25] EN
[54] **POWER SUPPLY AND METHOD FOR DUAL PROCESS WELDING**
[54] **ALIMENTATION ELECTRIQUE ET METHODE DESTINEES AU PROCEDE DE SOUDAGE DOUBLE**
[72] SCHUH, RICHARD J., US
[72] DAVIDSON, ROBERT R., US
[71] ILLINOIS TOOL WORKS INC., US
[22] 2017-12-19
[41] 2018-07-06
[30] US (15/400,238) 2017-01-06

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[21] **2,989,556**
[13] A1
[51] **Int.Cl. E03C 1/18 (2006.01)**
[25] EN
[54] **SINK AND METHOD OF MOUNTING**
[54] **EVIER ET METHODE D'INSTALLATION**
[72] CHONG, JONATHAN CHEE YEEN, US
[72] LYNCH, ERIK, US
[72] SANCHEZ, MACRINA, US
[72] NANOS, NICK, US
[72] FOLEY, ROBERT, US
[71] ELKAY MANUFACTURING COMPANY, US
[22] 2017-12-20
[41] 2018-07-05
[30] US (15/399,437) 2017-01-05

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[21] **2,990,042**
[13] A1
[51] **Int.Cl. C01B 32/184 (2017.01) B82Y 30/00 (2011.01) B82Y 40/00 (2011.01)**
[25] EN
[54] **METHODS FOR SYNTHESIZING GRAPHENE FROM ENCAPSULATED PARTICLES**
[54] **PROCEDES DE SYNTHESE DU GRAPHENE A PARTIR DE PARTICULES ENCAPSULEES**
[72] CAI, ZHIYONG, US
[72] YAN, QIANGU, US
[72] ZHANG, JILEI, US
[72] LI, JINGHAO, US
[72] MARCOCCIA, BRUNO SISTO, US
[72] FREIBERG, JAMES DAVID, US
[71] THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY OF AGRICULTURE, US
[71] MISSISSIPPI STATE UNIVERSITY, US
[71] DOMTAR PAPER COMPANY, LLC, US
[22] 2017-12-21
[41] 2018-07-06
[30] US (62/443207) 2017-01-06
[30] US (15/400281) 2017-01-06

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[21] **2,990,068**
[13] A1
[51] **Int.Cl. A01N 65/08 (2009.01) A01P 7/02 (2006.01)**
[25] EN
[54] **USE OF A CHESTNUT TANNIN EXTRACT AS ACARICIDAL AGENT**
[54] **UTILISATION D'EXTRAIT DE TANIN DE CHATAIGNIER COMME AGENT ACARICIDE**
[72] COSTA, GIANLUCA, IT
[72] GOZZI, DARIO, IT
[72] FERRANTE, MATTIA, IT
[72] ZAMBELLI, PIERLUIGI, IT
[71] SADEPAN CHIMICA S.R.L., IT
[22] 2017-12-22
[41] 2018-07-05
[30] IT (10 2017 000001121) 2017-01-05

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[21] **2,990,073**
[13] A1
[51] **Int.Cl. A61B 17/86 (2006.01) A61B 17/72 (2006.01) A61B 17/88 (2006.01)**
[25] EN
[54] **SELF-HOLDING SCREW HEAD**
[54] **TETE DE VIS AUTO-MAINTENUE**
[72] ZANDER, NILS, DE
[72] WIELAND, MANFRED, DE
[71] STRYKER EUROPEAN HOLDINGS I, LLC, US
[22] 2017-12-21
[41] 2018-07-05
[30] US (15/399,233) 2017-01-05

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[13] A1
[51] **Int.Cl. B65D 5/30 (2006.01) A47G 23/06 (2006.01)**
[25] EN
[54] **CORNER LOCK TRAY AND BLANK THEREFOR**
[54] **3LATEAU DE VERROU DE COIN ET EBAUCHE ASSOCIEE**
[72] SIMPSON, JAMES A., CA
[71] WESTROCK SHARED SERVICES, LLC, US
[22] 2017-12-21
[41] 2018-07-06
[30] US (62/443025) 2017-01-06

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[13] A1
[51] **Int.Cl. F17C 1/00 (2006.01) F17C 13/00 (2006.01)**
[25] EN
[54] **HIGH-PRESSURE CONTAINER AND METHOD OF PRODUCING HIGH-PRESSURE CONTAINER**
[54] **CONTENANT HAUTE PRESSION ET METHODE DE PRODUCTION DU CONTENANT HAUTE PRESSION**
[72] SAWAI, OSAMU, JP
[71] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[22] 2017-12-28
[41] 2018-07-06
[30] JP (2017-001347) 2017-01-06

[21] **2,990,274**
[13] A1
[51] **Int.Cl. F17C 13/10 (2006.01) F25J 3/00 (2006.01)**
[25] EN
[54] **METHOD FOR REHEATING AN ATMOSPHERIC VAPORIZER USING A GAS ORIGINATING FROM A CRYOGENIC AIR SEPARATION UNIT**
[54] **METHODE DE RECHAUFFAGE D'UN VAPORISATEUR ATMOSPHERIQUE AU MOYEN DE GAZ PROVENANT D'UN MODULE DE SEPARATION D'AIR CRYOGENIQUE**
[72] PEYRON, JEAN-MARC, FR
[72] RIVOAL, FABRICE, FR
[72] SUN, LIAN-MING, FR
[71] L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR
[22] 2017-12-27
[41] 2018-07-05
[30] FR (17 50 088) 2017-01-05

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[13] A1
[51] **Int.Cl. A61B 5/042 (2006.01) A61B 18/14 (2006.01) A61M 25/10 (2013.01)**
[25] EN
[54] **HYBRID BALLOON BASKET CATHETER**
[54] **CATHETER HYBRIDE PANIER BALLON**
[72] BASU, SHUBHAYU, US
[72] FUENTES-ORTEGA, CESAR, US
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2017-12-28
[41] 2018-07-05
[30] US (15/398,874) 2017-01-05

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[21] **2,990,552**
[13] A1
[51] **Int.Cl. A47B 47/00 (2006.01) A47B 47/04 (2006.01) F16B 12/10 (2006.01)**
[25] EN
[54] **QUICK ASSEMBLY FURNITURE**
[54] **MEUBLE A ASSEMBLAGE RAPIDE**
[72] LIN, CHUANGXIN, CN
[72] DE BLOIS, MARTIN, US
[71] AGIO INTERNATIONAL CO., LTD., CN
[22] 2017-12-28
[41] 2018-07-05
[30] US (15/399367) 2017-01-05

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[21] **2,990,655**
[13] A1
[51] **Int.Cl. B29D 24/00 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR THICKENING A PLASTICALLY DEFORMABLE HOLLOW BODY WALL OF A HOLLOW BODY, IN PARTICULAR IN PORTIONS, AND MANUFACTURING METHOD AND MACHINE FOR PRODUCING A HOLLOWBODY**
[54] **METHODE ET DISPOSITIF SERVANT A EPAISSIR UNE PAROI DE CORPS CREUX D'UN CORPS CREUX DEFORMABLE PLASTIQUEMENT, EN PARTICULIER EN PORTIONS, ET METHODE DE FABRICATION ET MACHINE DE PRODUCTION D'UN CORPS CREUX**
[72] MICHI, WERNER, DE
[72] WACHTER, JORG, DE
[72] BEIHOFER, DENNIS, DE
[72] GRUPP, PHILIPP, DE
[72] MARRE, MICHAEL, DR., DE
[71] FELSS SYSTEMS GMBH, DE
[22] 2018-01-02
[41] 2018-07-05
[30] EP (17 150 435.0) 2017-01-05

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[13] A1
[51] **Int.Cl. A61L 2/18 (2006.01) A61L 2/10 (2006.01)**
[25] EN
[54] **HYDROGEN PEROXIDE STERILIZER WITH MULTIPLE UV SENSORS**
[54] **STERILISATEUR AU PEROXYDE D'HYDROGENE DOTE DE PLUSIEURS CAPTEURS UV**
[72] GOVARI, ASSAF, IL
[72] ALTMANN, ANDRES CLAUDIO, IL
[72] GLINER, VADIM, IL
[72] EPHRATH, YARON, IL
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2018-01-03
[41] 2018-07-05
[30] US (15/399,671) 2017-01-05

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[21] **2,990,667**
[13] A1
[51] **Int.Cl. A61B 18/14 (2006.01) A61B 5/042 (2006.01)**
[25] EN
[54] **MULTI-ELECTRODE ASSEMBLY WITH CONTROLLED FOLDING MECHANISM**
[54] **ASSEMBLAGE MULTI-ELECTRODE DOTE D'UN MECANISME PLIANT CONTROLE**
[72] WU, STEVEN, US
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2018-01-03
[41] 2018-07-06
[30] US (15/400,192) 2017-01-06

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[54] **METHODE DE CONTROLE D'APPAREIL DE TRAITEMENT DE LESSIVE**
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[72] HEO, SEONIL, KR
[71] LG ELECTRONICS INC., KR
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[54] **ARMOIRE DE RANGEMENT DESTINEE A UN VEHICULE**
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[71] ADRIAN STEEL COMPANY, US
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[54] **SEAL WITH MAGNETIC FASTENING**
[54] **SCEAU D'ETANCHEITE A FIXATION MAGNETIQUE**
[72] GRAVEL, PATRICK, CA
[71] 9519785 CANADA INC., CA
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[54] **WELLHEAD ASSEMBLY WITH INTEGRATED TUBING ROTATOR**
[54] **ASSEMBLAGE DE TETE DE PUITS DOTE D'UN ROTATEUR DE TUBAGE INTEGRE**
[72] SENGER, ROSS, CA
[72] BLAQUIERE, DENIS, CA
[72] NARSIMHAN, RAMAMURTHY, IN
[72] REDDY, MANJUNATH DEVALAPALLI PRAKASH, IN
[72] SETTY, MANJUNATH JAYANTHI NARAYANA, IN
[72] MALLESHAPPA, SANTHOSHA SINGANAHALLI, IN
[72] LEE, KOGAN, CA
[71] OIL LIFT TECHNOLOGY INC., CA
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[54] **TURBOFAN NACELLE ASSEMBLY WITH FLOW DISRUPTOR**
[54] **ASSEMBLAGE DE NACELLE DE REACTEUR A DOUBLE FLUX DOTE D'UN INTERRUPTEUR DE FLUX**
[72] URAC, TIBOR, CA
[72] TOWNSEND, PETER, CA
[71] PRATT & WHITNEY CANADA CORP., CA
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[54] **APPAREIL DE SEPARATION AIR-HUILE**
[72] CZAJKOWSKI, MARCIN, PL
[72] BERGERON, SEBASTIEN, CA
[72] PULTER, FILIP ADAM, PL
[72] VINSKI, JOHNNY, CA
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[54] **MEUBLE EQUIPE D'UNE TRANSMISSION D'ALIMENTATION SANS FIL INTEGREE**
[72] BYRNE, NORMAN R., US
[72] BYRNE, DANIEL P., US
[71] BYRNE, NORMAN R., US
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[54] **MULTI-PHASE CIRCUIT FLOW-THROUGH HEATER FOR AEROSPACE BEVERAGE MAKER**
[54] **APPAREIL DE CHAUFFAGE PAR TRANSFERT A CIRCUIT MULTIPHASE DESTINE A UN APPAREIL DE FABRICATION DE BOISSON AEROSPATIALE**
[72] KELLY, LUKE E., US
[72] ELLISON, JOHN, US
[72] MILLS, BRIAN P., US
[72] WILLIAMS, CHRISTOPHER, US
[72] RUTHERFORD, BRIAN, US
[72] DIETZ, STUART A., US
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[54] **METHOD OF PRODUCTION FOR ATTACHING A PROFILE TO A TOOTHED BELT**
[54] **METHODE DE PRODUCTION SERVANT A ATTACHER UN PROFIL A UNE COURROIE DENTEE**
[72] STEINERT, THOMAS, DE
[71] BRECO ANTRIEBSTECHNIK BREHER GMBH & CO. KG, DE
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[54] **BLOOD CASSETTE HAVING AN ARTERIAL PRESSURE MEASUREMENT CHAMBER AND AN ARTERIAL CHAMBER, BLOOD TREATMENT APPARATUS FOR RECEIVING SUCH EXTERNAL FUNCTIONAL MEANS, AND METHOD**
[54] **CASSETTE D'HEMOSTASE COMPORTANT UNE CHAMBRE DE MESURE DE PRESSION ARTERIELLE ET UNE CHAMBRE ARTERIELLE, UN APPAREIL DE TRAITEMENT SANGUIN SERVANT A RECEVOIR UN TEL MECANISME FONCTIONNEL EXTERNE, ET METHODE**
[72] WEIS, MANFRED, DE
[72] GRONAU, SOREN, DE
[72] GUNTHER, GOTZ, DE
[72] HACKER, JURGEN, DE
[72] LAUER, MARTIN, DE
[72] MANKE, JOACHIM, DE
[72] NIKOLIC, DEJAN, DE
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[54] **CONTINUOUS COMPRESSION WIRE SPRING POLISHING APPARATUS CONFIGURED TO EASILY REPLACE TWO PARALLEL AND OPPOSITE GRINDSTONES**
[54] **APPAREIL DE POLISSAGE DE RESSORT A FIL A COMPRESSION CONTINUE CONFIGURE POUR REMPLACER FACILEMENT DEUX MEULES PARALLELES ET OPPOSEES**
[72] CHUNG, CHAN-KI, KR
[71] DAEWON APPLIED ENG. CO., KR
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[54] **METHODS AND APPARATUS FOR FUNCTIONAL INSERT WITH POWER LAYER**
[54] **PROCEDES ET APPAREILS POUR UNE INSERTION FONCTIONNELLE COMPRENANT UNE COUCHE D'ALIMENTATION**
[72] FLITSCH, FREDERICK A., US
[72] OTTS, DANIEL B., US
[72] PUGH, RANDALL B., US
[72] RIALL, JAMES DANIEL, US
[72] TONER, ADAM, US
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[71] DOW AGROSCIENCES LLC, US
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[54] **DISPOSITIF DE PERCUSSION THORACIQUE PORTABLE**
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[72] DRLIK, MARK S., CA
[72] LEE, RYAN, CA
[71] HILL-ROM SERVICES PTE. LTD., CA
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[54] **ASSEMBLAGE DE RACCORD DE TROU DE FORAGE CONFIGURABLE DE MANIERE VARIABLE**
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[72] RANJEVA, JEAN-MICHEL, BR
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **SEAL FOR A CONTRIFUGAL PUMP**
[54] **JOINT D'ETANCHEITE POUR POMPE CENTRIFUGE**
[72] KOSMICKI, RANDY J., US
[72] VIKEN, MICHAEL L., US
[71] WHW GROUP INC., US
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[54] **COOKING GRILL TRELLIS BURNER**
[54] **BRULEUR A TREILLIS DESTINE A UN GRILL DE CUISSON**
[72] WENZEL, HANS F., US
[72] MOY, CHRIS, US
[72] DENG, ERIC, US
[72] NILSSEN, RAY, US
[71] HESTAN COMMERCIAL CORPORATION, US
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[54] **GRILL DE CUISSON DOTE D'UNE HOTTE EN CONTREPOIDS**
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[72] MOY, CHRIS, US
[72] DENG, ERIC, US
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[54] **AUTOMATICALLY ADJUSTING HEADGEAR FOR PATIENT INTERFACE**
[54] **GARNITURE DE TETE A AJUSTEMENT AUTOMATIQUE POUR UNE INTERFACE PATIENT**
[72] MCLAREN, MARK ARVIND, NZ
[72] HAMMER, JEROEN, NZ
[72] KAPELEVICH, VITALY, NZ
[72] HUDDART, BRETT JOHN, NZ
[71] FISHER & PAYKEL HEALTHCARE LIMITED, NZ
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[54] **MECANISMES D'EVALUATION ET D'ENTRAINEMENT DE PERFORMANCE SPORTIVE, DISPOSITIFS ET METHODES**
[72] HOLLINS, JAMIE LEE, CA
[72] HOLLINS, JONATHON GALE, CA
[72] CIANCIUSI, RENATO, CA
[72] ELBI, OMER, CA
[72] SINGH, GAGANDEEP, CA
[72] COOPER, MARTIN, CA
[72] TURKVAN, HALUK, CA
[71] HOLLINS, JAMIE LEE, CA
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[54] **SYSTEMS AND METHODS FOR SEGMENTATION AND PROCESSING OF TISSUE IMAGES AND FEATURE EXTRACTION FROM SAME FOR TREATING, DIAGNOSING, OR PREDICTING MEDICAL CONDITIONS**
[54] **SYSTEMES ET PROCEDES POUR LA SEGMENTATION ET LE TRAITEMENT D'IMAGES TISSULAIRES ET D'EXTRACTION DE CARACTERISTIQUES A PARTIR DE CELLES-CI POUR LE TRAITEMENT, LE DIAGNOSTIC, OU LAPREDICTION DE CONDITIONS**
[72] AJEMBA, PETER, US
[72] SCOTT, RICHARD, US
[72] RAMACHANDRAN, JANAKIRAMANAN, US
[72] ZEINEH, JACK, US
[72] DONOVAN, MICHAEL, US
[72] AL-KOFAHI, YOUSEF, US
[72] SAPIR, MARINA, US
[72] LIU, QIUHUA, US
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[54] **INDEXED POSITIVE DISPLACEMENT ROTARY MOTION DEVICE**
[54] **DISPOSITIF DE MOUVEMENT ROTATIF A DEPLACEMENT POSITIF INDEXE**
[72] FARSHCHIAN, SOHEIL, CA
[72] GOTTFRIED, KRISTJAN, CA
[72] JUAN, ALEJANDRO, CA
[72] PATTERSON, CURTIS, CA
[71] EXPONENTIAL TECHNOLOGIES, INC., CA
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[25] EN
[54] **A SYSTEM FOR SIMULTANEOUS DELIVERY OF DIGITAL TELEVISION AND INTERACTIV E BROADBAND SERVICE**
[54] **SYSTEME POUR FOURNIR SIMULTANEMENT UN SERVICE DE TELEVISION NUMERIQUEET UN SERVICE A LARGE BANDE INTERACTIF**
[72] ROUHANA, WILLIAM J., JR., US
[71] RTEM INNOVATIONS CORP., US
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[72] KANNER, GLENN, US
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[54] **SYSTEME POUR FOURNIR SIMULTANEMENT UN SERVICE DE TELEVISION NUMERIQUE ET UN SERVICE A LARGE BANDE INTERACTIF**
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[54] **FECONDATION IN VITRO FACILITEE PAR LE PROFILAGE DU SECRETOME**
[72] SCHOOLCRAFT, WILLIAM B., US
[72] KATZ-JAFFE, MANDY, US
[72] MCREYNOLDS, SUSANNA, US
[71] FERTILITY LAB SCIENCES, LLC, US
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[54] **COMPOSITIONS COMPRISING A FLUOROOLEFIN**
[54] **COMPOSITIONS COMPORTANT UNE OLEFINE FLUOREE**
[72] MINOR, BARBARA HAVILAND, US
[72] RAO, VELLIYUR NOTT MALLIKARJUNA, US
[72] BIVENS, DONALD BERNARD, US
[72] PERTI, DEEPAK, US
[71] E.I. DUPONT DE NEMOURS AND COMPANY, US
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[54] **AEROSOL DELIVERY DEVICE**
[54] **DISPOSITIF D'ADMINISTRATION D'AEROSOL**
[72] FINLAY, BRYAN, CA
[72] NUTTALL, MICHAEL, CA
[72] COULTES, BRANDON, CA
[72] NAGEL, MARK, CA
[72] PICKARD, MARK, CA
[71] TRUDELL MEDICAL INTERNATIONAL, CA
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[54] **ALERTE POUR DES JEUX SUR LA PLATEFORME MOBILE**
[72] ALDERUCCI, DEAN P., US
[72] MILLER, MARK, US
[72] PLOTT, CHARLES, US
[71] CFPH, L.L.C., US
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[54] **COMPOSITIONS COMPRISING A FLUOROOLEFIN**
[54] **COMPOSITIONS COMPORTANT UNE OLEFINE FLUOREE**
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[54] **DISPOSITIF, PROCEDE ET PROGRAMME DE CODAGE DE PREDICTION D'IMAGE, DISPOSITIF, PROCEDE ET PROGRAMME DE DECODAGE DE PREDICTION D'IMAGE**
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[72] SUZUKI, YOSHINORI, JP
[72] TAKIUE, JUNYA, JP
[72] TAN, THIOW KENG, JP
[71] NTT DOCOMO, INC., JP
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[54] **DISPOSITIF, PROCEDE ET PROGRAMME DE CODAGE DE PREDICTION D'IMAGE, DISPOSITIF, PROCEDE ET PROGRAMME DE DECODAGE DE PREDICTION D'IMAGE**
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[54] **DISPOSITIF, PROCEDE ET PROGRAMME DE CODAGE DE PREDICTION D'IMAGE, DISPOSITIF, PROCEDE ET PROGRAMME DE DECODAGE DE PREDICTION D'IMAGE**
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[72] SUZUKI, YOSHINORI, JP
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[71] AXSOME THERAPEUTICS, INC., US
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[72] SAUNDERS, TONY, GB
[72] CARR, SIMON, GB
[72] RADCLIFFE, IAN ALEXANDER JAMES, GB
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[54] **APPAREIL DE CODAGE D'IMAGES EN MOUVEMENT, APPAREIL DE DECODAGE D'IMAGES EN MOUVEMENT, PROCEDE DE CODAGE D'IMAGES EN MOUVEMENT ET PROCEDE DE DECODAGE D'IMAGES EN MOUVEMENT**
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[71] ADVANCED GLAZING TECHNOLOGIES LTD. (AGTL), CA
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[54] **MECANISMES DE RETRACTION D'AIGUILLE DE DISPOSITIF D'ADMINISTRATION DE FLUIDE, CARTOUCHES ET JOINTS FLUIDIQUES ETANCHES EXTENSIBLES**
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[72] JENKINS, GEOFFREY H., US
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[62] 2,916,209
[30] US (60/270,469) 2001-02-21
[30] US (60/271,809) 2001-02-27
[30] US (60/284,703) 2001-04-18
[30] US (60/290,709) 2001-05-14
[30] US (60/296,593) 2001-06-07
[30] US (60/301,589) 2001-06-28

[21] **3,011,847**
[13] A1
[51] **Int.Cl. H04N 19/159 (2014.01) H04N 19/176 (2014.01) H04N 19/182 (2014.01) H04N 19/52 (2014.01) H04N 19/593 (2014.01) H04N 19/80 (2014.01)**
[25] EN
[54] **PREDICTION FILTERING BASED ON THE INTRA PREDICTION MODE OF THE CURRENT BLOCK**
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[72] LIM, SUNG CHANG, KR
[72] CHOI, JIN SOO, KR
[72] KIM, JIN WOONG, KR
[71] ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE, KR
[22] 2012-06-20
[41] 2012-12-27
[62] 2,910,612
[30] KR (10-2011-0059850) 2011-06-20
[30] KR (10-2011-0065708) 2011-07-01
[30] KR (10-2011-0119214) 2011-11-15
[30] KR (10-2011-0125353) 2011-11-28
[30] KR (10-2012-0066206) 2012-06-20

[21] **3,011,851**
[13] A1
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[30] KR (10-2011-0059850) 2011-06-20
[30] KR (10-2011-0065708) 2011-07-01
[30] KR (10-2011-0119214) 2011-11-15
[30] KR (10-2011-0125353) 2011-11-28
[30] KR (10-2012-0066206) 2012-06-20

[21] **3,011,853**
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[51] **Int.Cl. H04N 19/159 (2014.01) H04N 19/176 (2014.01) H04N 19/182 (2014.01) H04N 19/593 (2014.01) H04N 19/80 (2014.01)**
[25] EN
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[30] KR (10-2011-0059850) 2011-06-20
[30] KR (10-2011-0065708) 2011-07-01
[30] KR (10-2011-0119214) 2011-11-15
[30] KR (10-2011-0125353) 2011-11-28
[30] KR (10-2012-0066206) 2012-06-20

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[21] **3,011,859**
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[51] **Int.Cl. A61K 38/17 (2006.01) A61P 37/06 (2006.01)**
[25] EN
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[72] SPIES, THOMAS, US
[72] GROH-SPIES, VERONIKA, US
[71] FRED HUTCHINSON CANCER RESEARCH CENTER, US
[22] 2008-04-23
[41] 2008-10-30
[62] 2,900,172
[30] US (60/913,467) 2007-04-23

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[13] A1
[51] **Int.Cl. H04N 19/159 (2014.01) H04N 19/176 (2014.01) H04N 19/182 (2014.01) H04N 19/52 (2014.01) H04N 19/593 (2014.01) H04N 19/80 (2014.01)**
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[30] KR (10-2011-0065708) 2011-07-01
[30] KR (10-2011-0119214) 2011-11-15
[30] KR (10-2011-0125353) 2011-11-28
[30] KR (10-2012-0066206) 2012-06-20

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[51] **Int.Cl. A61B 17/14 (2006.01)**
[25] EN
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[72] BRINDLEY, ROBERT, US
[72] LAND, TREVOR M., US
[72] COSGROVE, LIAM C., US
[71] STRYKER CORPORATION, US
[22] 2006-09-08
[41] 2007-03-15
[62] 2,891,821
[30] US (60/715,821) 2005-09-10
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[51] **Int.Cl. A61M 25/02 (2006.01) A61M 25/10 (2013.01) A61F 2/958 (2013.01) A61B 17/12 (2006.01) A61B 17/22 (2006.01)**
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[72] REYNOLDS, JEREMY, US
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[22] 2017-06-02
[41] 2017-12-07
[62] 2,990,479
[30] US (62/344,699) 2016-06-02
[30] US (62/353,388) 2016-06-22
[30] US (62/375,472) 2016-08-16

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FU, JIANMIN 2,764,878
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FUEG, SIMONE 2,918,279
FUERER, GILBERT 2,749,463
FUKANO, JUN 2,920,160
GABOARDI, PAOLO 2,805,518
GAMBLE, ROBERT N., II 3,004,548
GAMMON, SCOTT 2,828,014
GAO, HUIDONG 2,708,387
GARZA, JOSE ABIEL 2,746,275
GASQUERES, CEDRIC 2,765,382
GASSNER, BERND 2,924,771
GAVRIELIDES, GABRIEL 2,676,466
GE AVIATION SYSTEMS LIMITED 2,926,595
GEGE, CHRISTIAN 2,873,877
GEIDING, ROBERT 2,778,781
GEIGER, FREDERIC 2,887,620
GENERAL ELECTRIC COMPANY 2,680,474
GENERAL ELECTRIC COMPANY 2,746,275
GENERAL ELECTRIC COMPANY 2,760,214
GENERAL ELECTRIC COMPANY 2,762,292
GENERAL ELECTRIC COMPANY 2,796,935
GENERAL ELECTRIC COMPANY 2,899,913
GENERAL ELECTRIC COMPANY 2,928,976
GENERAL ELECTRIC COMPANY 2,930,500
GENERAL ELECTRIC COMPANY 2,932,754
GENERAL ELECTRIC COMPANY 2,933,377
GENERAL ELECTRIC COMPANY 2,941,359
GENERAL ELECTRIC TECHNOLOGY GMBH 2,811,261
GENERAL ELECTRIC TECHNOLOGY GMBH 2,887,620
GENESIS TECHNOLOGIES LIMITED 2,724,785
GEOPIER FOUNDATION COMPANY, INC. 2,809,673
GERBAULET, ARNAUD 2,798,907
GERBER, JOHAN 2,766,029
GERMACK, DAVID 2,904,728
GIASSON, DAVID 2,808,722
GIESECKE+DEVRIENT MOBILE SECURITY GMBH 2,926,781
GIESSLER-BLANK, SABINE 2,782,081
GILBERT, BENOIT 2,804,392
GILBERT, JAMES A. 2,715,464
GIULIANI S.P.A. 2,796,592
GIULIANI, CRISTIAN 2,933,852
GIULIANI, GIAMMARIA 2,796,592
GKOULOUSIS, ANTONIOS 2,921,528
GLAXOSMITHKLINE BIOLOGICALS S.A. 2,783,274
GLENVILLE, MATTHEW A. 2,921,528
GLOBAL TRAFFIC TECHNOLOGIES, LLC 2,984,886
GLUCANOVA AB 2,910,629
GOBEC, IVAN 2,804,477
GOLITZ, ANDREAS 2,924,771
GOMILA MUNIZ, ISABEL 2,975,801
GONIA, PATRICK S. 2,760,872
GOODMAN, LAURIE 2,749,846
GORRE, MERCEDES E. 2,753,372
GOTO, JUNGO 2,753,428
GOURISHANKAR, KARTHICK VILAPAKKAM 2,933,377
GPCP IP HOLDINGS LLC 2,824,285
GRADY, WAYNE RAY 2,746,275
GRANIER, FRANCOIS 2,887,620
GRASES FREIXEDAS, FELIX 2,975,801
GRASSI, WALTER 2,851,483
GRAY, DAVID LAWRENCE FIRMAN 2,946,471
GREENFIELD MASTER IPCO LIMITED 2,692,466
GREGOIRE, MARK 2,708,387
GRESTENBERGER, GEORG 2,919,745
GRIBB, TYE 2,850,935
GRIEBENOW, NILS 2,800,697
GRIESMEIER, ROBERT 2,926,781
GRIEVELDINGER, LINK JAY 2,922,429
GROESSWANG, ROMAN 2,792,609
GROGAN, THOMAS M. 2,634,896
GROOTENHUIS, PETER 2,718,310
GROSSMAN, THEODORE ROBERT 2,933,377
GRUNDEN, BRADLEY L. 2,710,384
GRZYCH, MATTHEW L. 2,897,253
GU, HONGPING 2,802,611
GUERNSEY, BYRON 2,723,060
GUILLEY, SYLVAIN 2,716,143
GUO, HAORAN 2,862,046
GUPTA, AJAY 2,780,646
GUPTA, RAVI R. 2,763,635
GUTTENBERG, ROBERT G. 2,777,703
HACH LANGE GMBH 2,924,771
HADIDA-RUAH, SARA 2,718,310
HAENSEL, RENE 2,782,081
HAFENRICHTER, JOSEPH LAWRENCE 2,896,487
HAIER US APPLIANCE SOLUTIONS, INC. 2,723,060
HAILLOT, JEAN-MICHEL 2,807,909
HAINES, ROD 2,934,691
HALLIBURTON ENERGY SERVICES, INC. 2,863,987
HALLIBURTON ENERGY SERVICES, INC. 2,914,252
HALLIBURTON ENERGY SERVICES, INC. 2,925,474
HALLIBURTON ENERGY SERVICES, INC. 2,926,160
HALLIBURTON ENERGY SERVICES, INC. 2,928,034
HALLIBURTON ENERGY SERVICES, INC. 2,930,172
HALLOWALL, CURTIS W. 2,660,418
HALSALL, KEVIN THOMAS 2,924,392

HAMADA, SHIZUNORI 2,920,079
HAMAGUCHI, YASUHIRO 2,753,428
HAMBLIN, GAVIN 3,000,472
HAMMON, WILLIAM S. 2,659,020
HAMMOND, CHARLES E. 2,904,728
HAMMOND, CHARLES EARL 2,867,046
HAMMOND, PETER WILLARD 2,924,654
HANADA, TAKAHISA 2,877,097
HANLEY, KEVIN F. 2,832,694
HANSCHKE, CLEMENS 2,924,771
HANSON, ERIC 2,746,916
HARRIS, WILLIAM 2,790,543
HART, LOTTA 2,796,736
HARTMANN, ELKE 2,800,697
HARTMANN, PHILIP 2,969,182
HASEGAWA, HIKARU 2,940,458
HASEGAWA, ISAMU 2,920,079
HASHIMOTO, KOJI 2,910,676
HASHIMOTO, KOJI 2,910,765
HASLINGER, TOBIAS 2,688,174
HASSKERL, THOMAS 2,839,556
HASSLER, STEPHEN P. 2,808,279
HATCH LTD. 2,988,355
HAYASHI, TOMOKAZU 2,940,458
HAYNES, BRIAN SCOTT 2,819,562
HEAD, JAMES LEE 2,759,639
HEARTFLOW, INC. 2,888,098
HEDELIN PER 2,926,491
HEFEI HUALING CO., LTD. 2,946,912
HEFEI MIDEA REFRIGERATOR CO., LTD. 2,946,912
HEIDEMANNS, LOTHAR 2,924,771
HEINRICH, JAN 2,808,971
HENDERSON, RICHARD S. 2,765,537
HENDRICKSON USA, L.L.C. 2,910,519
HENKEL AG & CO. KGAA 2,848,565
HEXAL AG 2,914,776
HIGASHIYAMA, HIROYUKI 2,877,097
HIGDON, JOHN F. 2,806,667
HIGUCHI, NAOHIRO 2,818,923
HILL, ANDREW J. 2,921,528
HIROMITSU, NAGAYOSHI 2,945,274
HIROSE, YOSHIHISA 2,920,160
HOELLING, MARC 2,774,886
HOFFMANN, THOMAS 2,873,877
HOFFMEIER, CARL 2,837,860
HOFMANN, KONRAD 2,866,929
HOGLUND, KASPER 2,854,686
HOLDCROFT, STEVEN 2,866,742
HOLLISTER INCORPORATED 2,921,538
HONARPOUR, MEHDI MATT 2,923,238
HONDA MOTOR CO., LTD. 2,920,160
HONDA MOTOR CO., LTD. 2,942,153
HONEYWELL INTERNATIONAL INC. 2,710,384
HONEYWELL INTERNATIONAL INC. 2,760,872
HOOPER, BARRY NEIL 2,805,120
HOSOI, JUN 2,945,274
HOW, ADRIAN ENVIN 2,680,977
HOWE, CHRISTOPHER ALAN 2,873,730
HOWELL, JULIE C. 2,806,667
HOWELL, THOMAS A. 2,793,745
HOWLETT, MICHAEL W. 2,761,244
HOWMEDICA OSTEONICS CORP. 2,906,311
HSU, YUN-PING 2,780,646
HU, DEAN 2,807,964
HUANG, DIJIA 2,798,938
HUANG, YOUNG-MING 2,802,441
HUAWEI TECHNOLOGIES CO., LTD. 2,895,599
HUBER, HOWARD, JR. 2,981,812
HUGHES, GREGG 2,849,419
HUNT, ERIC L. 2,951,653
HUOTARI, KEIJO J. 2,746,916
HUTCHESON, FINBARR P. 2,921,528
HWANG, YONG-YOUN 2,878,376
HYDRO INTERNATIONAL PLC 2,964,983
HYDROGENICS CORPORATION 2,862,221
IACI, JENNIFER 2,666,536
ICHISE, KENICHI 2,809,225
ICONX, LLC 2,942,670
IHI CORPORATION 2,945,274
IKEDA, KOTARO 2,940,458
ILICKOVIC, DARKO 2,723,060
ILMARINEN, JOUKO 2,815,020
IM, JONG-SEOB 2,878,376
IMAI, TOSHIO 2,778,895
IMANISHI, HIROYUKI 2,910,892
IMPERIAL OIL RESOURCES LIMITED 2,964,911
INDIVIOR UK LIMITED 2,801,676
INFINEUM INTERNATIONAL LIMITED 2,759,639
INGEVITY SOUTH CAROLINA, LLC 2,912,372
INGRAIN, INC. 2,923,238
INGRAM, GARY DURON 2,934,046
INNOSPEC PERFORMANCE CHEMICALS EUROPE LIMITED 2,802,647
INSTITUT TELECOM-TELECOM PARIS TECH 2,716,143
INTELLIHOT GREEN TECHNOLOGIES, INC. 2,958,321
INTERCONTINENTAL EXCHANGE HOLDINGS, INC. 2,921,528
INTRA-CELLULAR THERAPIES, INC. 2,679,754
INTREXON CORPORATION 2,685,592
IONESCU, BOGDAN 2,924,654
IRIYA, KEISHIRO 2,809,225
ISAKSSON, ROLAND 2,931,270
ISCHEMIX LLC 2,761,798
ISHIKAWA, YUKIO 2,877,097
ISHIZAKI, TSUTOMU 2,914,317
ISTOC, EMILIAN 2,875,228
ITANI, MAJED 2,780,646
IVERSEN, STEEN BRUMMERSTEDT 2,838,870
IZEN, STEVEN H. 2,768,296
JACKSON, DION A. 2,921,538
JAIN, DEEPANKAR BANSHILAL 2,796,078
JARISCH, CHRISTIAN 2,798,907
JARRATT, CALLIE R. 2,863,987
JARVI, ARI 2,872,895
JAUTELAT, ROLF 2,800,697
JBSG MANAGEMENT LLC 2,832,849
JENSEN, KEITH 2,942,670
JIANG, HAO 2,949,589
JIANGNAN ENVIRONMENTAL PROTECTION GROUP INC. 2,971,841
JIN, PU 2,986,272
JOHANSEN, BERIT 2,782,797
JOHNS MANVILLE 2,938,977
JOHNSON, KEITH 2,810,093
JOHNSTON, ANTHONY MATTHEW 2,819,562
JOHNSTON, JAMES 2,783,892
JONES, DARRELL DARWIN 2,883,046
JONES, NICOLAS 2,690,573
JONSSON, HELGI 2,863,933
JOSHI, KUNDAN 2,888,688
JOU, HERNG-JEN 2,797,391
JUPPO, ARI 2,814,789
KABUSHIKI KAISHA SANGI 2,914,317
KADDAMI, ABDERAHMANE 2,766,030
KAESER, STEFAN 2,798,907
KAESER, THOMAS 2,798,907
KAHLEN, SUSANNE 2,919,745
KALEVO, OSSI 2,841,508
KALLAI, CHRISTOPHER 2,842,003
KANE, ANDREW STEVEN 2,964,983
KANZLER, WALDEMAR 2,839,556
KAPSCH TRAFFICCOM AG 2,776,652
KARATZAS, AGGELOS 2,853,117
KARAVAS, EVANGELOS 2,853,117
KASSAB, GHASSAN S. 2,772,073
KATES, STEVEN A. 2,761,798
KAUFMANN, PETER 2,926,781
KAWANO, TETSU 2,778,895
KAZUTA, YUJI 2,877,097
KCI LICENSING, INC. 2,786,013
KCI LICENSING, INC. 2,786,101
KCI LICENSING, INC. 2,807,964
KEMIRA OYJ 2,814,789
KEMIRA OYJ 2,824,034
KEMPKA, STEFAN 2,782,081
KENNEY, JEFFREY BRENT 2,796,078
KERSTEN, JAN 2,776,652
KEYGENE N.V. 2,910,861
KHARGHORIA, ARUN 2,904,728
KIM, HUN-TAEK 2,878,376
KIM, HYE-MIN 2,878,376
KIMIABEIGI, MOHAMMAD 2,744,199
KINZEL, OLAF 2,873,877
KIRKBRIDE, TANA 2,930,984
KIRKPATRICK, ALLEN R. 2,811,750
KIRKPATRICK, SEAN R. 2,811,750
KITA, YOICHI 2,877,097
KLEIN, GEORG 2,820,950
KLETT, DANIEL RIAN 2,811,508
KLEYMANN, GERALD 2,873,877
KLIEM, PATRICK 2,839,556
KLOCKOW, SCOTT ALAN 2,941,500
KNEISSL, JOHANNES 2,792,609

KNORR, ANDREAS 2,800,697
KNOTTEN, INGE 2,739,312
KNOWLES, KENNETH 2,786,013
KOBAYASHI, TOSHIMITSU 2,809,225
KOBORI, KENJI 2,920,079
KOCH, MICHAEL 2,811,261
KODACHI, KEIICHI 2,920,079
KODAMA, TAKASHI 2,920,079
KOELKER, KARL-HEINZ 2,867,766
KOISTINAHO, MILLA 2,804,765
KOJIMA, KEISUKE 2,949,367
KOKAL, SUNIL 2,903,092
KOKOTOS, GEORGE 2,782,797
KOLANKO, ANTHONY TADEK LESLIE 2,964,983
KOLAVENNU, SOUMITRI 2,760,872
KOLENC, IVANKA 2,804,477
KOLOMIETS, ELENA 2,744,931
KOMRAKOV, EVGENY VYACHESLAVOVICH 2,819,402
KONDO, TAKESHI 2,920,079
KOOIMAN, JAMES E. 2,859,484
KOSASA, TAKASHI 2,877,097
KOSKINEN, SAMU 2,841,508
KOSS, PETER U. 2,811,261
KOSTERS, JENS 2,915,706
KOUTRIS, EFTHIMIOS 2,853,117
KRAFT FOODS R & D, INC. 2,945,722
KRAFT FOODS R&D, INC. 2,933,128
KRAFT FOODS R&D, INC. 2,934,691
KRAMAR, ANDREJKA 2,804,477
KREBS, WERNER 2,839,556
KRISHNAPPA, CHANDRASHEKAR 2,861,194
KRKA, D.D., NOVO MESTO 2,804,477
KROGER, CHRISTOPHER JAMES 2,930,500
KROH, WALTER 2,800,697
KROMREY, TIMOTHY MARK 2,811,508
KRONOPLUS TECHNICAL AG 2,851,372
KRONTHALER, ULRICH 2,914,776
KTISTIS, CHRISTOS 2,872,895
KUA, JASMINE MEI PING 2,680,977
KUECHLER, KEVIN J. 3,004,548
KUMAR, SANJIV 2,806,667
KUMARAPERUMAL, NATRAJAN 2,813,781
KUMPCH, HANS-JOACHIM 2,924,771
KUPPERS, MICHAEL 2,924,771
KURIYAGAWA, TSUNEMOTO 2,914,317
KUSSMANN, MICHAEL 2,924,771
KUSUMOTO, TOMOKAZU 2,765,239
KVALO, MICHAEL 2,909,795
L-3 COMMUNICATIONS MAGNET-MOTOR GMBH 2,836,984
LA-Z-BOY INCORPORATED 2,864,036
LABBE, CHRISTIAN 2,869,026
LABINAL POWER SYSTEMS 2,782,558
LABINAL, LLC 2,832,694
LABORATORY CORPORATION OF AMERICA HOLDINGS 2,749,846
LADER, ALAN S. 2,761,798
LADRAN, ANTHONY S. 2,772,710
LAITRAM, L.L.C. 2,777,703
LANDRY, DAVID 2,804,392
LANG, JONATHAN P. 2,842,003
LANGLOIS, DAVID 2,804,392
LANTER, KENT J. 2,765,887
LANXESS DEUTSCHLAND GMBH 2,806,812
LAPOINTE, LARRY P. 2,864,036
LARCHER, OLIVIER 2,536,276
LAU, KIN YIP 2,680,977
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC 2,772,710
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC 2,815,189
LAWSON, LAWRENCE J. 2,917,668
LAWYER, JUSTIN 2,806,492
LEAMY, BRETT 2,810,093
LEBERT, JEAN-JOCELYN 2,834,760
LECUIVRE, JULIE 2,805,497
LECUIVRE, JULIE 2,805,545
LEDOUX, FRANCOIS 2,882,954
LEE, BRIAN J. 2,838,522
LEE, COLLIN 2,780,646
LEJEUNE, GUILHEM 2,782,558
LEMOINE, DOMINIQUE 2,783,274
LENZING TECHNIK GMBH 2,792,609
LES PRODUITS NEPTUNE INC. 3,001,737
LESKOVAR, DENISE 2,804,477
LESSENE, GUILLAUME 2,814,120
LEWIS, DAVID L. 2,739,647
LEWIS, JOHN R. 2,820,950
LEWIS, STEPHEN J. 2,746,916
LEYER, AXEL 2,924,771
LI, LU 2,899,537
LI, MING 2,895,599
LI, PENG 2,679,754
LI, PENGTAO 2,862,046
LI, VOLKHART MIN-JIAN 2,800,697
LICHT, ALEXANDER 2,867,766
LIN, CHUNYOU 2,862,046
LIN, HANG-CHING 2,802,441
LIN, LEEWEN 2,706,502
LIN, SHIH-YAO 2,706,502
LIN, TZONG-FU 2,760,212
LIN, TZONG-FU 3,004,549
LIONHEART, WILLIAM ROBERT BRECKON 2,872,895
LIPINSKI, JOHANN 2,757,677
LIPKIN, DON MARK 2,933,377
LIQUIDPOWER SPECIALTY PRODUCTS INC. 2,788,092
LIST, HANS 2,974,755
LIST, HANS 2,974,774
LITKE, RONALD 2,800,076
LIU, CHAO 2,946,912
LIU, PING 2,802,948
LIU, TAO 2,933,454
LOCKE, CHRISTOPHER 2,786,013
LOCKE, CHRISTOPHER 2,786,101
LOPEZ RODRIGUEZ, JORGE 2,823,896
LORD, CHRISTOPHER 2,886,922
LU, DULING 2,899,537
LU, LI 2,899,537
LUCAS, BRADLEY E. 2,824,285
LUDLOW, JED 2,708,387
LUNDBACK, JOHAN 2,895,979
LUNK, DAVID 2,810,093
LUO, JING 2,971,841
LYONS, ROBERT JOSEPH 2,933,377
M-I L.L.C. 2,892,963
MACPHERSON, CHARLES DOUGLAS 2,798,769
MACQUEEN, PETER GRAHAM RICHARD 2,945,722
MAEZAKI, HIRONOBU 2,765,239
MAGILL, BRIAN M. 2,967,568
MAGNA INTERNATIONAL INC. 2,802,611
MAGRI, CARLO 2,798,907
MAGRIOTI, VICTORIA 2,782,797
MAHARAJ, DAMIEN 2,949,693
MAJEED, ANJU 2,893,321
MAJEED, MUHAMMED 2,893,321
MANEPALLI, SATYA KISHORE 2,933,377
MANES, KENNETH RENE 2,815,189
MANIYEDATH, ARJUN K. 2,768,296
MANKOWSKI, PAWEL 2,746,275
MANN, DAVID 2,764,042
MANSFIELD, TODD 2,842,003
MANTOVANI & VICENTINI S.R.L. 2,926,167
MANTOVANI & VICENTINI S.R.L. 2,926,171
MARCHAND, ALEXANDRE 3,001,737
MARCHAND, GARY R. 2,801,893
MARCHETTI, FABIO 2,822,354
MARKS, TIMOTHY 2,806,492
MARMO ARREDO S.P.A. 2,962,177
MARSALA, CARMELO 2,976,210
MARSH, LIAM A. 2,872,895
MARTIN, JOHN C. 2,676,466
MASHUE, AARON JOHN 2,680,474
MASI, FRANCESCO 2,822,354
MASON, DALE 2,951,653
MASON, JEANNE G. 2,897,253
MAST, NICOLE 2,904,728
MASTERCARD INTERNATIONAL INCORPORATED 2,766,029
MATAIGNE, JEAN-MICHEL 2,915,776
MATSUO, HARUO 2,991,471
MATSUZAKI, YUICHI 2,797,218
MAXAMCORP HOLDING S.L. 2,823,896
MCAULEY, DANNY 2,783,892
MCBRIDE, JIM 2,832,849
MCCLAIN, JAMES B. 2,721,832
MCCORMICK, JAMES M. 2,832,694
MCCREA, DAVID G. 2,719,664
MCCREA, THOMAS E. 2,719,664
MCHUGH, KEVIN PATRICK 2,938,977
MCKEE, KEVIN JOHN 2,964,983
MCKEE, MATTHEW GARY 2,870,874
MCKINNON, AUSTIN JASON 2,813,227
MCVEEN, KEITH 2,951,653
MCVEEN, KEITH MICHAEL 2,955,776

MDDP, LLC	2,806,667
MED-LOGICS, INC.	2,849,419
MEDOFF, MARSHALL	2,727,798
MEDTRONIC MINIMED, INC.	2,875,228
MEIDENSHA CORPORATION	2,911,034
MEIDENSHA CORPORATION	2,920,079
MEKOUAR, KHALID	2,724,785
MELLORS, MARK	2,934,691
MENEGHIN, ALFREDO	2,805,497
MENEGHIN, ALFREDO	2,805,545
MENTE, SCOT RICHARD	2,946,471
MERCER, JAMES V.	2,761,244
MERCIER, MATHIEU	2,869,026
MERZ, CHRISTOPHER JOHN	2,766,029
METZLER, THOMAS	2,688,174
MEURE, SAMUEL JAMES	2,873,730
MEYER, SUSAN	2,766,029
MICELL TECHNOLOGIES, INC.	2,721,832
MICROLINE SURGICAL, INC.	2,793,745
MICROSOFT TECHNOLOGY LICENSING, LLC	2,813,378
MICROSOFT TECHNOLOGY LICENSING, LLC	2,820,950
MILLAR, DAVID	2,949,367
MILLER, BRANDON WAYNE	2,930,500
MILLER, BRANDON WAYNE	2,941,359
MILLER, MARK	2,718,310
MILLER, PHILLIP	2,634,896
MILLS, PATRICK W.	2,832,694
MISHRA, MANISHA	2,861,194
MITREITER, ANDREAS	2,924,771
MITSUBISHI CHEMICAL CORPORATION	2,866,288
MITSUBISHI ELECTRIC CORPORATION	2,949,367
MITSUBISHI MATERIALS CORPORATION	2,818,923
MITTENDORF, JOACHIM	2,800,697
MOCHIZUKI, MICHIHISA	2,940,458
MOHN, TERRY	2,676,466
MOLD-MASTERS (2007) LIMITED	2,828,014
MONAHAN, JOSEPH A.	2,912,372
MONDELEZ UK R&D LIMITED	2,857,756
MONDI CONSUMER PACKAGING TECHNOLOGIES GMBH	2,915,706
MONTGOMERY, FREDERICK JOHN	2,850,935
MONTGOMERY, STEVEN	2,690,573
MONTOYE, TONY	2,804,135
MORANDO, JORGE A.	2,765,537
MORATH, EVA	2,783,107
MORGAN, R. ANDREW	2,909,795
MORI, TOMONORI	2,910,676
MORI, TOMONORI	2,910,765
MORIGUCHI, MASAHIRO	2,848,565
MORRIS, GREGORY MUSTER	2,932,754
MOSTHOF, TATJANA	2,926,781
MUELLER, ANN-KRISTIN	2,783,107
MUKHERJEE, ALI	2,749,846
MULTIWAVE SENSORS INC.	2,734,564
MULTRUS, MARKUS	2,927,722
MUNK, CLAYTON LYNN	2,883,046
MUONA, ANU	2,804,765
MUSIC MASTERMIND, INC.	2,764,042
NAESSENS, KRIS	2,804,135
NAG, SUMONA	2,807,964
NAGABHUSHANAM, KALYANAM	2,893,321
NAIR, KUTTAN PILLAI NARAYANAN	2,861,194
NAKAMURA, OSAMU	2,753,428
NAKASHIMA, DAIICHIRO	2,753,428
NAKAYAMA, SHINSAKU	2,920,160
NANOMEDIA SOLUTIONS INC.	2,949,589
NAUMOVITZ, JOSEPH P.	2,811,261
NAUSE, RICHARD	2,813,781
NAVARRETE, REINALDO C.	2,912,372
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BOOKBINDER, STEVEN 3,011,916
BOOMCLOUD 360, INC. 3,011,694
BORCHERS, GEORG 3,011,756
BORGMANN, CORNELIA 3,011,756
BORODYANSKY, LAURA 3,011,800
BORROMEO, PETER 3,012,167
BOSSHARD, SIMON 3,011,965
BOSTON BIOMEDICAL, INC. 3,011,800
BOSTON SCIENTIFIC SCIMED, INC. 3,012,057
BOUL, PETER J. 3,011,723
BOUL, PETER J. 3,011,745
BOUNCE EXCHANGE, INC. 3,011,805
BOURGAULT, DANIEL 3,011,958
BOURGEOIS, OLIVIER 3,011,958
BOUZRATI-ZERELLI, MARIEM 3,011,777
BOYD, ALISTAIR JOHN 3,011,809
BOYES, RICHARD JOHN 3,012,036
BRAJE, WILFRIED 3,012,074
BRANCO, DOUGLAS KOECH 3,012,071
BRANDT SANZ, MIGUEL 3,012,223
BRAY, ERNEST R. 3,012,123
BREITSCHEIDEL, BORIS 3,011,907
BRESLIN, TRACY 3,012,178
BREU, JOSEF 3,011,766
BREU, JOSEF 3,011,767
BREUER, JIM M. 3,012,351
BREUNIG, JOSHUA 3,012,042
BREYE, FRANCOIS 3,012,265
BRILLIANT LIGHT POWER, INC. 3,011,972
BRIOLA, STEFANO 3,012,087
BRISTOL-MYERS SQUIBB PHARMA COMPANY 3,010,900
BRITTON, PAUL 3,012,024
BRITZE, KATARINA 3,012,074
BROOKS, ROBERT 3,011,760
BROUNS, TINE 3,011,830
BROZY, JOHANNES 3,011,942
BRUCATO, ALBERTO 3,011,813
BRYSCH, WOLFGANG 3,011,766
BRYSCH, WOLFGANG 3,011,767
BU, QIHUI 3,011,765
BUCKLEY, ADRIAN 3,011,821
BUCKLEY, ADRIAN 3,011,969
BUCKLEY, MICHAEL EOIN 3,011,821
BUECHE, BLAINE 3,011,902
BUERCKSTUEMMER, TILMANN 3,011,886
BUHLER SORTEX LTD 3,011,787
BUJNICKI, JANUSZ 3,012,221
BULAT, GHENADIE 3,012,085
BULUT, MURTAZA 3,011,775
BURAKOWSKA-MEISE, EWELINA 3,012,160
BURDEN, CHRISTOPHER 3,011,918
BURGESS, DARREN R. 3,011,987
BURKE, JOEL 3,011,828
BUSSE, JENS 3,012,030
BYUN, SUNG BAE 3,012,106
CABRERA, OSCAR 3,012,335
CADIEUX, ED 3,011,776
CAHILL, BONAVENTURE 3,012,181
CALA HEALTH, INC. 3,011,993
CALIXTE, LAURENT 3,012,278
CALLIS, CARLA JOHNSON 3,011,995
CALTEC OVERSEAS, INC. 3,011,893
CANDOR, JAMES T. 3,011,995
CAPONE, EMILY 3,012,270
CAPPOZZO, JACK C. 3,011,970
CAPPOZZO, JACK C. 3,011,978
CAPUTO, GIUSEPPE 3,011,813
CARBAJAL, LEOPOLDO ALEJANDRO 3,012,309
CARBONELL, RUBEN G. 3,011,932
CARLSON, PAUL E. 3,011,806
CARLSSON, RICHARD 3,012,217
CARPI TECH B.V. 3,011,917
CARROLL, BRYAN 3,011,726
CARTER, JAMES 3,012,183
CASTANON, SCOTT E. 3,012,020
CCM TECHNOLOGIES LIMITED 3,011,790
CEDARS-SINAI MEDICAL CENTER 3,012,042
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE 3,011,958
CETINKAYA, MURAT 3,012,160
CHAAYA, RIAD 3,011,826
CHAIN, FLORIAN 3,012,214
CHALBERG, THOMAS W., JR. 3,011,794
CHALBERG, THOMAS W., JR. 3,011,808
CHANG, SUG YOUN 3,012,110
CHANRION, MAIA 3,011,761
CHARITOS, ALEXANDROS 3,012,028
CHASE, DANIEL G 3,011,807
CHATTERJEE, SOHANG 3,011,827
CHAVARRI CABEZAS, RAUL 3,011,892
CHECCACCI, EMANUELE 3,011,938
CHEETHAM, PETER SAMUEL JAMES 3,011,834
CHEN, CHAO-GUANG 3,012,037
CHEN, FEIXIA 3,012,354
CHEN, WANSHI 3,011,744
CHEN, WANSHI 3,012,213
CHENAULT, ELLIOT 3,012,228
CHEONG, SEOKJUNG 3,012,054
CHEP TECHNOLOGY PTY LIMITED 3,011,795
CHEUNG, CHEUK-YI 3,012,163
CHEUNG, CHEUK-YI 3,012,166
CHIASMA INC. 3,011,982
CHIEN, WEI-JUNG 3,011,867
CHIEN, WEI-JUNG 3,012,051
CHIESI FARMACEUTICI S.P.A. 3,012,062
CHIN, ALBERT 3,011,818
CHIROKOLAVA, ANDREI 3,012,275
CHIRON-BLONDEL, MARIELLE 3,012,060
CHOI, JONG MIN 3,012,106
CHOUDHURY, SOURAV ROY 3,011,939
CHOY, NAKYEN 3,011,928
CHRISTENSEN, BJARNE B. 3,012,186
CHRISTY, JENNIFER 3,011,803
CHRONISTER, MICHAEL 3,011,802
CJ CHEILJEDANG CORPORATION 3,012,106
CLAREMON, DAVID A. 3,011,838
CLARK EQUIPMENT COMPANY 3,012,329
CLARK EQUIPMENT COMPANY 3,012,351
CLARK EQUIPMENT COMPANY 3,012,356
CLOMBURG, JAMES M. 3,012,054
COBLER, PATRICK 3,011,776
COCHRAN, DAVID W. 3,012,164
COCHRAN, DON W. 3,012,164
COGNITIVE SYSTEMS CORP. 3,012,231
COHEN, CHARLES 3,012,190
COINPLUG, INC. 3,012,306
COLE, DOUGLAS B. 3,011,975
COLEMAN, FERGAL 3,012,019
COLINES S.P.A. 3,011,811
COLLINS, DONALD 3,011,961
COLOUR TONE MASTERBATCH LIMITED 3,012,086
COMBIGENE AB 3,012,276
CONRAD, TORSTEN 3,012,275
CONSORTIUM OF FOCUSED ORTHOPEDISTS, LLC 3,011,998
COOKS, ROBERT GRAHAM 3,012,121
COOL, PETER JAN 3,012,119
COPE, ANDY 3,011,795
CORALLO, KRYSTLE 3,011,961
CORNELL UNIVERSITY 3,012,191
COTA, ALDO 3,011,885
CRAWFORD, TRISTAN A. D. 3,012,237
CROOKS, PETER 3,012,179
CROWDPLAT, INC. 3,011,801
CRUMBLEHULME, ALISON 3,011,919
CSL BEHRING RECOMBINANT FACILITY AG 3,012,037
CUI, SOPHIA 3,011,825
CURCIC, NIKOLA 3,012,223
CURRIE, MARK G. 3,012,001
CYTEC INDUSTRIES INC. 3,011,973
CZIBERE, AKOS 3,011,949
D'ALESIO, GIONATA 3,011,897

D'LIMA, DARRYL 3,011,998
DAI, HUIBIN 2,976,555
DAI, XING 3,012,078
DAI, XING 3,012,133
DAINICHISEIKA COLOR & CHEMICALS MFG. CO., LTD. 3,011,899
DAL PONTE, DEAN B. 3,011,968
DAMNJANOVIC, ALEKSANDAR 3,011,744
DAMNJANOVIC, ALEKSANDAR 3,012,213
DANCE BIOPHARM, INC. 3,011,902
DANIEL, STEFFAN 3,011,965
DANIELPOUR, MOISE 3,012,042
DAP PRODUCTS INC. 3,011,802
DARRAGAS, KATHY 3,012,354
DAVANZO, STEPHEN P 3,012,062
DAVIES, EVAN LLOYD 3,000,323
DAVIS, MICHAEL F. 3,012,295
DCL INTERNATIONAL INC. 3,011,762
DE ARMAS, HECTOR NOVOA 3,011,930
DE MALSCHE, KATRIEN 3,012,226
DEANS, ROBERT J. 3,012,009
DEBRAUN, DAVID R. 3,012,325
DEBRUIN, JASON 3,012,183
DECHMAN, JOHN 3,012,218
DECKARD, AARON D. 3,011,976
DEEFHOLTS, BENEDICT 3,011,787
DEGEYTER, RAF GUSTAAF ALFONS 3,012,226
DEGUDENT GMBH 3,011,962
DEHGHANIAN, VAHID 3,011,922
DEHNERT, BRIAN P. 3,012,329
DEIS, WOLFGANG 3,012,030
DELAVOUX, YOAN 3,012,019
DELUCCA, INDAWATI 3,010,900
DEMARLES, DIDIER 3,011,761
DEMOSS, LARRY K. 3,012,114
DENIS, CAROLINE 3,012,055
DENKEWICZ, RAY 3,012,183
DENTSPLY DETREY GMBH 3,011,777
DENTSPLY SIRONA INC. 3,011,962
DEPUY SYNTHES PRODUCTS, INC. 3,011,965
DESCHENES, DAVID MARK 3,012,161
DESHPANDE, SACHIN G. 3,011,896
DEUTSCHE LUFTHANSA AKTIENGESELLSCHAFT 3,012,275
DHANDA, RAHUL KRISHAN 3,011,901
DHANDA, RAHUL KRISHAN 3,011,991
DI RISIO, ANNALISA 3,012,270
DIAGANA, THIERRY TIDIANE 3,012,107
DIDION MANUFACTURING COMPANY 3,012,315
DIDION, MARK 3,012,315
DIDION, MICHAEL 3,012,315
DIEBOLDER, ROLF 3,011,962
DIETLIN, CELINE 3,011,777
DIETRICH, JUSTIN D. 3,012,074
DIETZ, MARTIN 3,011,883
DIETZ, MARTIN 3,011,914
DIETZ, MARTIN 3,011,915
DIETZ, MARTIN 3,012,159
DILGER, ANDREW K. 3,010,900
DILLARD, LAWRENCE WAYNE 3,011,838
DILORETO, MARK E. 3,012,057
DINAN, ESMAEL 3,011,937
DITTMER, HAUKE 3,012,170
DOEHLA, STEFAN 3,011,883
DOEHLA, STEFAN 3,011,914
DOEHLA, STEFAN 3,011,915
DOEHLA, STEFAN 3,012,159
DOLAS, ATUL 3,011,923
DOLE, DOUGLAS R. 3,012,045
DOMENJOUD, BRUNO 3,012,058
DOMMNIK, JOERG 3,012,039
DONG, SHILONG 3,011,765
DOW AGROSCIENCES LLC 3,011,928
DOW AGROSCIENCES LLC 3,012,167
DOWNHOLE TECHNOLOGY, LLC 3,000,323
DOWSETT, DAVID 3,012,272
DOWSETT, DAVID 3,012,283
DOWSETT, DAVID 3,012,287
DOYA, YO 3,012,301
DRAKE, JAMES 3,011,760
DREYMANN, JENNIFER 3,012,060
DRULEY, TODD E. 3,012,122
DUAN, XIANGFENG 3,012,173
DUBAI ALUMINIUM PJSC 3,012,163
DUBAI ALUMINIUM PJSC 3,012,166
DUMONT, NICOLAS 3,012,215
DYNATECT MANUFACTURING, INC. 3,012,224
E I DU PONT DE NEMOURS AND COMPANY 3,012,309
ECKELT, NILS 3,012,080
EDGEWELL PERSONAL CARE BRANDS, LLC 3,011,986
EFROS, ALEX 3,012,072
EGG-CHICK AUTOMATED TECHNOLOGIES 3,012,284
EIFLER, RENE 3,011,929
ELC MANAGEMENT LLC 3,011,961
ELIZALDE SALEGUI, LUCAS Mª 3,012,035
EM SOLUTIONS INCORPORATED 3,012,289
EMMRICH, FRANK 3,012,277
ENGELKEN, SONKE 3,011,771
EPIMAB BIOTHERAPEUTICS, INC. 3,011,746
ERICKSON, CARL 3,011,819
ERSPAMER, BRENT A. 3,011,976
ERTL, THOMAS 3,011,962
ESSILOR INTERNATIONAL 3,012,278
ESTEVES, MIGUEL SENA 3,011,939
ETALIM INC. 3,011,921
ETUBICS CORPORATION 3,010,869
EVANS, DOUGLAS L. 3,012,057
EVONIK DEGUSSA GMBH 3,011,756
EVONIK DEGUSSA GMBH 3,012,030
EXCISION BIOTHERAPEUTICS, INC. 3,011,874
EZ3D, LLC 3,012,049
F.HOFFMANN-LA ROCHE AG 3,012,288
FAJARDO, ARNEL M. 3,012,230
FAN, CHUANLIN 3,012,266
FAN, CHUANLIN 3,012,268
FAN, CHUANLIN 3,012,269
FAN, CHUANLIN 3,012,271
FAN, CHUANLIN 3,012,273
FAN, YI 3,011,838
FANG, ZHENG 3,012,048
FANTASIA, SERENA MARIA 3,012,046
FELDHAUS, MICHAEL 3,011,900
FENWICK, CRAIG 3,012,075
FERTIK, MICHAEL BENJAMIN SELKOWE 3,011,794
FERTIK, MICHAEL BENJAMIN SELKOWE 3,011,808
FIK, CHRISTOPH P. 3,011,777
FINA TECHNOLOGY, INC. 3,012,358
FINDEISEN, JORG 3,011,770
FINDEISEN, JORG 3,011,772
FINER, MITCHELL H. 3,011,933
FINGER LAKES INTELLECTUAL PROPERTY, LLC 3,011,806
FINN, GREGORY J. 3,011,949
FISCHER, CHRISTIAN FRANCIS 3,012,036
FISCHER, FRANK 3,011,756
FISCHER, STEFAN 3,012,160
FISHER & PAYKEL HEALTHCARE LIMITED 3,012,036
FLANAGAN, CRAIG 3,012,180
FLEISSNER, JULIANE 3,011,766
FLEISSNER, JULIANE 3,011,767
FLEITZ, FRED 3,011,946
FLOGISTIX, LP 3,012,044
FLORA, JASON 3,012,279
FLOYD, MICHAEL G. 3,011,979
FLUID HANDLING LLC 3,012,326
FOLTZ, JOHN W. 3,012,230
FOMCHENKO, SERGEY ANDREYEVICH 3,011,963
FONTCUBERTA MAS, MARCEL 3,011,892
FOODY, BRIAN 3,012,218
FORCE, ERIC 3,011,773
FORCE, ERIC 3,011,956
FORCE, ERIC 3,011,959
FORREST, STEPHEN 3,012,056
FOSS, STIAN 3,011,887
FOTECH SOLUTIONS LIMITED 3,011,792
FOTOPOULOU, ELENI 3,011,883
FOTOPOULOU, ELENI 3,011,914
FOTOPOULOU, ELENI 3,011,915
FOTOPOULOU, ELENI 3,012,159
FOUASSIER, JEAN PIERRE 3,011,777
FOURNIER, GREGORY 3,012,183
FOX, MICHAEL 3,012,038
FRANCESCHINI, LORENZO 3,011,830
FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUND DER ANGEWANDTEN FORSCHUNG E.V. 3,011,914

FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUND DER ANGEWANDTEN FORSCHUNG E.V. 3,011,915
FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V. 3,011,883
FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V. 3,012,159
FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V. 3,012,277
FREIXENET, S.A. 3,011,892
FRENI BREMBO S.P.A. 3,012,286
FREY, DETLEF 3,012,047
FRICKE, STEPHAN 3,012,277
FRIEDRICH, MATTHIAS 3,011,942
FROELICHER, JEFFREE 3,011,816
FU, WEIXIANG 3,012,061
FUCHS, GUILLAUME 3,011,883
FUCHS, GUILLAUME 3,011,914
FUCHS, GUILLAUME 3,011,915
FUCHS, GUILLAUME 3,012,159
FUJITA, SUSUMU 3,012,102
FUKE, TOMONAO 3,011,953
FUKSENKO, YURIY 3,011,988
FUKUMOTO, MANABU 3,012,336
FUKUNAGA, KOJI 3,012,312
FUNDACJA UNIWERSYTETU IM. ADAMA MICKIEWICZA W POZNANIU 3,011,779
FURRER, ANDRE 3,011,965
FURRER, ESTHER MARIA 3,011,784
FURRER, ESTHER MARIA 3,011,786
GAAL, PETER 3,011,744
GAAL, PETER 3,012,213
GABITZSCH, ELIZABETH 3,010,869
GABRIELE, ANDREA 3,012,223
GALLOWAY, KEVIN C. 3,011,796
GALMED RESEARCH AND DEVELOPMENT LTD. 3,011,977
GAMBLE, KRISTIAN DIOR 3,011,807
GAMHEWAGE, CHAMARA 3,011,797
GAO, GUANGPING 3,012,344
GAO, SHENGQIANG 3,012,125
GAO, YONGTAO 3,011,905
GAO, YONGTAO 3,011,910
GAO, YONGTAO 3,011,912
GARIPOV, SAIT SAITOVICH 3,011,963
GARRITANO, JAMES 3,012,322
GARVER, JOANNE LAWTON 3,011,901
GATTA, TONY 3,011,774
GATTUSO, CALOGERO 3,011,813
GAUKROGER, ANTHONY 3,012,086
GAVAZZI, ANDREA 3,012,286
GD MIDEA HEATING & VENTILATING EQUIPMENT CO., LTD. 3,011,765
GE, PEI 3,012,001
GEBO PACKAGING SOLUTIONS FRANCE 3,012,261
GECER ULU, NURCAN 3,012,320
GEHIN, ANTHONY 3,012,261
GEIST, LUCAS 3,011,756
GELBAUM, DANA 3,011,982
GENAW, JOEL DEAN, JR. 3,012,091
GENENTECH, INC. 3,011,739
GENENTECH, INC. 3,012,046
GENERAL ELECTRIC COMPANY 3,011,985
GENESTE, OLIVIER 3,011,761
GENETIC INFORMATION RESEARCH INSTITUTE 3,011,886
GEOGHEGAN, RORY 3,012,322
GEPHART, MATTHEW P. 3,012,198
GERSTLE, JUSTIN 3,011,760
GEUS, HANS-GEORG 3,012,047
GHOSH, MALOY 3,011,827
GIBERT GUASCH, PERE 3,011,892
GIESE, HEIDI SUSANNE 3,011,901
GIESSELER, MAREIKE 3,012,030
GILEAD SCIENCES, INC. 3,011,930
GILKEY WINDOW COMPANY 3,012,321
GILKEY, MICHAEL 3,012,321
GIOMETTI, GIANLUCA 3,011,945
GLASMANN, RICHARD 3,011,814
GLAXOSMITHKLINE CONSUMER HEALTHCARE GMBH & CO. KG 3,011,881
GLISSMANN, JARED 3,012,224
GLOBAL TEL*LINK CORPORATION 3,011,799
GLOW, DAWID 3,012,221
GLUNZ, PETER W. 3,010,900
GODDE, WOLFGANG 3,012,080
GODDE, WOLFGANG 3,012,081
GODINHO, BRUNO MIGUEL DA CRUZ 3,011,894
GOLOSHCHUK, VLADIMIR 3,011,600
GONZALEZ OSPINA, ADRIANA 3,012,058
GONZALEZ, RAMON 3,012,054
GOODWIN, ROBERT A., JR. 3,012,198
GOTTFRIED, KRISTJAN 3,011,921
GPCP IP HOLDINGS LLC 3,012,337
GRABUNDZIJA, IVANA 3,011,886
GRAHAM, LUCAS 3,011,721
GRAWUNDER, ULF 3,011,815
GREE ELECTRIC APPLIANCES, INC. OF ZHUHAI 3,012,274
GREEN, SIMON RICHARD 3,011,880
GREEN, SIMON RICHARD 3,012,031
GREENBERG, KENNETH P. 3,011,933
GREENE, DOUGLAS ALAN 3,012,180
GREENSMITH TECHNOLOGIES LTD 3,011,822
GREENWALD, MICHAEL RAYMOND 3,011,987
GREENWOOD, ANTHONY JOHN 3,011,822
GREGG, KRISTIN MIHALCIK 3,011,802
GRIFOLS ROURA, RAIMON 3,012,282
GRIGSBY, ROBERT A. 3,012,354
GRIMM, AXEL 3,011,907
GRISAFI, FRANCO 3,011,813
GROLL, ROBERT JON 3,011,829
GROSS, GERHARD MAX 3,011,880
GROSS, GERHARD MAX 3,012,031
GROTHOFF, AXEL 3,012,170
GRUMET, MATTHIAS 3,011,832
GRUNDFEST, WARREN 3,012,322
GU, JAMES J. 3,012,326
GUALA, GIANNI 3,012,084
GUERCI, ALESSIO 3,012,105
GUERRE, ROLAND 3,011,909
GUILLIAMS, MARTIN 3,011,947
GUNDE, TEA 3,011,784
GUNDE, TEA 3,011,786
GUNTNER, JOCHEN 3,012,028
GUPTA, SATYA VRAT 3,012,193
HAAKSMAN, INGRID KARIN 3,012,116
HACK, JONATHAN WAYNE 3,012,296
HADEN, JIM 3,012,313
HAIRTALK GMBH 3,011,884
HALAN, VIVEK 3,011,827
HALL, DAVID S. 3,012,003
HALLWASS-FEDDER, BERND 3,012,170
HALPERN, MAYA 3,011,977
HAMMERSCHMIDT, JORG 3,012,028
HAMMES, FLORIAN 3,011,929
HAMMOND, PETER 3,011,790
HAMNER, SAMUEL RICHARD 3,011,993
HAMRAH, PEDRAM 3,012,190
HANDEREK, VINCENT 3,011,792
HANERGY NEW MATERIAL TECHNOLOGY CO., LTD. 3,011,905
HANERGY NEW MATERIAL TECHNOLOGY CO., LTD. 3,011,910
HANERGY NEW MATERIAL TECHNOLOGY CO., LTD. 3,011,912
HANSEN, RONALD S. 3,012,329
HANSEN, RONALD S. 3,012,356
HARADA, HIROKI 3,012,033
HARADA, HIROKI 3,012,310
HARDING, KENNETH C. 3,012,309
HARGIS, BILLY 3,011,721
HARNEY, WILLIAM J. J. 3,011,826
HARRIS, CHAD TYLER 3,012,161
HARRIS, WILLIAM COULTER 3,011,991
HARTMANN, DOREEN 3,012,080
HARTMANN, DOREEN 3,012,081
HARTMETALL-WERKZEUGFABRIK PAUL HORN GMBH 3,012,158
HARWOOD, BENJAMIN N. 3,012,190
HASHIGUCHI, TEPPEI 2,999,002
HASSLER, MATTHEW 3,011,894
HATANAKA, HIROAKI 3,012,111
HATTANDA, HIROKATSU 3,012,307
HATZIDAKIS, ARMODIOS M. 3,011,998

HAUSSNER, THOMAS 3,011,756
HAVIV, ASI 3,011,982
HAWES, ERIC 3,011,774
HAYASHI, TAKASHI 3,012,338
HAYMAN, JASON 3,011,918
HAYWARD INDUSTRIES, INC. 3,012,183
HE, QIWEI 3,012,025
HE, QIWEI 3,012,027
HECHT, GIL 3,012,290
HELLER, MICHAEL LEONARD 3,011,932
HELMRICH, CHRISTIAN 3,011,883
HEN, DANIEL 3,012,290
HENDRY, FNU 3,011,941
HERMEY, ANDREAS 3,012,039
HERON, ANDREW JOHN 3,011,830
HERRE, JUERGEN 3,011,883
HEXAGON TECHNOLOGY AS 3,012,352
HEYDON, ROBIN 3,011,804
HIGAKI, TATSUYA 3,012,088
HIGH, DONALD R. 3,011,974
HILDBRAND, STEFAN 3,012,288
HILFIGER, MATT 3,011,745
HILGER, NADJA 3,012,277
HILL, SAMUEL J. 3,011,973
HILTI AKTIENGESELLSCHAFT 3,011,955
HIRANO, FUMIYA 3,011,927
HIRD, JONATHAN ROBERT 3,011,812
HIROKANE, TAKESHI 3,012,112
HIROOKA, NOBUKI 3,011,927
HIRSCH, MATTHEW LOUIS 3,011,943
HOCH, SASCHA 3,012,030
HODGE, STEPHEN L. 3,011,799
HOENECKE, HEINZ R., JR. 3,011,998
HOESEL, JERET L. 3,012,329
HOFFMANN, PATRICK 3,011,942
HOFFMANN, RALF 3,011,920
HOLE, DAVID PHILIP 3,011,969
HOLLERBACH, ADAM 3,012,121
HONG, DA 3,012,063
HONG, JAY WU 3,012,306
HOPMAN, JOHANNES CORNELIS PETRUS 3,012,116
HORA, ANURADHA 3,011,827
HORIGUCHI, TOMOYUKI 3,012,093
HORIGUCHI, TOMOYUKI 3,012,100
HORIZON DISCOVERY LIMITED 3,011,886
HORN, CAROLINE 3,012,362
HORN, GAVIN BERNARD 3,011,935
HOSS, JOHANNES 3,012,158
HOSSEINI, SEYEDKIANOUSH 3,012,213
HOU, YANAN 3,000,323
HOVIONE SCIENTIA LIMITED 3,011,820
HOY, MICHAEL 3,011,921
HUANG, MENG 3,012,274
HUANG, YU 3,012,173
HUAWEI TECHNOLOGIES CO., LTD. 3,012,061
HUAWEI TECHNOLOGIES CO., LTD. 3,012,236
HUBBELL INCORPORATED 3,011,967
HUBBELL INCORPORATED 3,011,968
HUBBELL INCORPORATED 3,012,216
HUEFFER, STEPHAN 3,012,160
HUFFMAN, NICOLAS DANIEL 3,011,757
HUGHES, TIMOTHY 3,012,085
HUHN, TILO 3,011,764
HUNT, ANDREW 3,011,918
HUNTSMAN PETROCHEMICAL LLC 3,012,354
HUOTARI, KEIJO J. 3,011,826
HUTTER, PATRICK 3,012,261
HYMUS, GRAHAM 3,011,788
HYND, GEORGE 3,011,880
HYND, GEORGE 3,012,031
IACOBELLI, STEFANO 3,012,270
IBEBUNJO, CHIKWENDU 3,012,294
IDEA BIOMEDICAL LTD. 3,012,072
IENARI, TORU 3,011,950
IGUS GMBH 3,012,039
IH IP HOLDINGS LIMITED 3,011,987
IHI CORPORATION 3,012,111
ILLUMINA, INC. 3,012,069
IM, G-YOON JAMIE 3,012,001
INCARDA THERAPEUTICS, INC. 3,012,333
INDUSTRIE BORLA S.P.A. 3,012,084
INNATE PHARMA 3,012,055
INNOVOSCIENCES, LLC 3,012,040
INOUE, HIROTAKA 3,012,101
INSTITUT NATIONAL DE LA RECHERCHE AGRONOMIQUE (INRA) 3,012,214
INSTITUTE OF PROCESS ENGINEERING, CHINESE ACADEMY OF SCIENCES 3,012,266
INSTITUTE OF PROCESS ENGINEERING, CHINESE ACADEMY OF SCIENCES 3,012,268
INSTITUTE OF PROCESS ENGINEERING, CHINESE ACADEMY OF SCIENCES 3,012,269
INSTITUTE OF PROCESS ENGINEERING, CHINESE ACADEMY OF SCIENCES 3,012,271
INSTITUTE OF PROCESS ENGINEERING, CHINESE ACADEMY OF SCIENCES 3,012,273
INTERGAS HEATING ASSETS B.V. 3,012,119
INTERNATIONAL DEHYDRATED FOODS, INC. 3,011,970
INTERNATIONAL DEHYDRATED FOODS, INC. 3,011,978
INTRA-CELLULAR THERAPIES, INC. 3,011,983
INUI, YOJI 3,012,342
INVENTISBIO INC. 3,012,078
INVENTISBIO INC. 3,012,133
IOGEN CORPORATION 3,012,218
IRMAK, BARIS 3,011,769
IRONWOOD PHARMACEUTICALS, INC. 3,012,001
ISCAR LTD. 3,012,290
ISHII, KENTARO 3,012,112
ITO, HIROTO 3,011,927
ITO, YASUHIRO 3,012,168
ITTAH, ROY 3,012,292
IVICS, ZOLTAN 3,011,886
IWABUCHI, YOSHIHARU 3,012,312
IYER RODRIGUES, KAVITHA 3,011,827
IZUMI WILCOXON, MICHI 3,012,362
JACOBI, CARSTEN 3,012,294
JACOBSON, SCOTT R. 3,011,998
JACOBY, EDGAR 3,011,880
JACOBY, EDGAR 3,012,031
JAEGERS, WOLFGANG 3,011,883
JAEGERS, WOLFGANG 3,011,914
JAEGERS, WOLFGANG 3,011,915
JAEGERS, WOLFGANG 3,012,159
JAEKER, THILO-ALEXANDER 3,012,039
JAGD, LARS 3,011,908
JAGD, LARS 3,011,911
JAGGER, KARL A. 3,012,057
JANGANATI, VENUMADHAV 3,012,179
JANOWSKI, BARTLOMIEJ 3,011,779
JANOWSKI, BARTLOMIEJ 3,011,781
JANSEN, MICHAEL 3,012,046
JANSSEN PHARMACEUTICA NV 3,011,880
JANSSEN PHARMACEUTICA NV 3,012,031
JAPAN SYNCHROTRON RADIATION RESEARCH INSTITUTE 3,012,184
JAYASINGHE, LAKMAL NISHANTHA 3,011,830
JEEVANANDAM, VALLUVAN 3,012,066
JETTLER, PATRICK 3,012,217
JENEWEIN, STEFAN 3,012,160
JFE STEEL CORPORATION 3,012,101
JFE STEEL CORPORATION 3,012,298
JI, TINGFANG 3,011,935
JIANG, DEHUI 3,011,913
JIN, JING 3,011,726
JIN, KATHERINE 3,011,889
JING, QING 3,012,064
JOHNSON, ARTHUR, III 3,012,183
JOHNSON, ASHLEY BERNARD 3,011,812
JOHNSON, BENJAMIN D. 3,012,164
JOHNSON, BRIAN D. 3,012,262
JOHNSON, LEAH MARIE 3,011,757
JOHNSON, ROBERT 3,012,335
JOHNY, SONIYA 3,011,923
JOHST, KENNETH 3,011,908
JOHST, KENNETH 3,011,911
JOLIT, ANAIS 3,012,074
JONES, FRANK R. 3,010,869
JONGERT, DIRK 3,012,265
JOO, YONG LAK 3,012,191
JORDAN, CRAIG 3,012,179
JOVANCICEVIC, VLADIMIR 3,011,724
JUNG, DONG CHUL 3,012,106
JURANITCH, JAMES C. 3,012,348
JURANITCH, JAMES C. 3,012,359
JURGES, LENNART 3,011,763

K.U.L.T. KRESS UMWELTSCHONENDE LANDTECHNIK GMBH 3,011,925
KAESERMANN, FABIAN 3,012,037
KALDOR, MATTHEW J. 3,012,329
KAMANAGOWDA, VEERESHA 3,011,827
KAMPERT, WILLIAM GEORGE 3,012,309
KANE, DAVID 3,012,279
KANEMARU, TAKAO 3,011,921
KANG, JASON 3,011,889
KANGAS, AARON 3,012,289
KANSAS STATE UNIVERSITY RESEARCH FOUNDATION 3,012,187
KAPITONOV, VLADIMIR VYACHESLAVOVICH 3,011,886
KARCZEWICZ, MARTA 3,011,867
KARCZEWICZ, MARTA 3,011,941
KARCZEWICZ, MARTA 3,012,051
KARLES, GEORGE 3,012,279
KARLES, GEORGE 3,012,280
KASCHEL, JOHANNES 3,012,074
KASPAR, ROGER L. 3,011,980
KASPER, TERRY 3,012,162
KATHOLIEKE UNIVERSITEIT LEUVEN KU LEUVEN RESEARCH & DEVELOPMENT 3,011,830
KATZ, JONATHAN M. 3,012,164
KAUFMAN, CHARLES P. 3,011,974
KEEP, SARAH 3,012,024
KEIRSSE, JIRI 3,011,947
KELF, TIMOTHY 3,011,787
KELLINGER, MATTHEW WILLIAM 3,012,069
KELLY, JAMES D., II 3,011,998
KERCHNER, GEOFF 3,011,739
KERN, MAGDALENA 3,012,030
KERR, STEVEN JOHN 3,011,966
KERSTENS, PIETER J. 3,012,003
KESSLER, STEVEN C. 3,012,178
KEULEERS, ROBBY RENILDE FRANCOIS 3,012,226
KHALILI, KAMEL 3,011,874
KHAN, AMIR 3,011,827
KHURANA, PRINCY 3,011,923
KHVOROVA, ANASTASIA 3,011,894
KIKUCHI, SHOTA 3,012,336
KIM, GI BUM 3,012,042
KING'S COLLEGE LONDON 3,012,009
KINNOS INC. 3,011,889
KIRCHHOFF, CHRISTIAN 3,011,925
KISH, JOHN A. 3,011,904
KISHIMOTO, TAKEAKI 3,011,898
KISHIMOTO, TAKEAKI 3,012,340
KITABATA, MASAHIRO 3,012,100
KLEBER, ELIAS TAVARES 2,997,972
KLEE, JOACHIM E. 3,011,777
KLEE, JOHANNA 3,012,074
KLEIN, HOWARD P. 3,012,354
KNORR, WERNER 3,012,275
KOBAL, GERD 3,012,279
KOBAL, GERD 3,012,280
KOBAYASHI, HIROSHI 3,012,088
KOBLER, CHRISTOPH 3,011,756
KOENIG, STEFAN 3,012,046
KOKAIA, MERAB 3,012,276
KOLOSI, WILLIAM 3,012,125
KOMATSU LTD. 2,977,303
KONDO, DAI 3,012,093
KONDO, HITOSHI 3,012,342
KONIECZNY, MICHAEL W. 3,011,806
KONIG MASCHINEN GESELLSCHAFT M.B.H. 3,011,843
KONINKLIJKE PHILIPS N.V. 3,011,775
KOPIN, ALAN S. 3,012,190
KORENEVSKI, ANTON 3,011,919
KOTSCHY, ANDRAS 3,011,761
KOWNACKI, IRENEUSZ 3,011,779
KOZAK, RADOSLAW 3,011,781
KRAEMER, ALAN 3,011,694
KRAEMER, HANS 3,011,881
KRASIK, GALINA 3,011,988
KRETZLER, RANDAL S. 3,012,217
KRIVONOGOV, ALEKSEY ALEKSANDROVICH 3,011,963
KUBOTA, KEIICHI 3,011,935
KUFER, PETER 3,011,942
KULAGOWSKI, JANUSZ JOZEF 3,011,880
KULAGOWSKI, JANUSZ JOZEF 3,012,031
KULKARNI, ADITYA 3,011,923
KUMAR DAKSHINAMURTHY, PRAVIN 3,011,827
KUMAR DUBEY, ASHVINI 3,011,827
KUMAR, KRISHNA 3,012,190
KUMAR, SANTOSH 3,011,827
KUMAR, SATISH 3,011,789
KUNTZE, CHRISTOPHER J. 3,011,826
KUO, MEI-CHANG 3,011,902
KURKOWSKA, MALGORZATA 3,012,221
KURS, ANDRE B. 3,012,325
KURYLOWICZ, MARTIN 3,011,919
KUSTERNIG, MICHAEL 3,011,832
KUZNETSOV, YURI NICKOLAYEVICH 3,011,963
L.O.M. LABORATORIES INC. 3,012,020
LADZIATA, VLADIMIR 3,010,900
LAI, CHIAJEN 3,011,930
LAKSHMANASWAMY, ARUN 3,011,828
LALEVEE, JACQUES 3,011,777
LANGELLA, PHILIPPE 3,012,214
LANGLEY, JOHN B. 3,012,319
LANGWALLNER, CHRISTOPH 3,011,834
LANGWALLNER, MARGIT 3,011,834
LAOUI, DAMYA 3,011,947
LASSER, ROBERT LEE 3,012,177
LATCHMAN, YVETTE 3,010,869
LAU, SABINA 3,012,362
LAUS, CHARLOTTE GRACE 3,012,036
LAUX, ROLAND 3,011,764
LAVOIE, JEAN-FRANCOIS 3,011,758
LAYMAN, DAWN 3,011,961
LAZAREVIC, RANKO 3,012,073
LEE, JAEHYUK 3,012,191
LENSSEN, KARS-MICHIEL HUBERT 3,011,775
LEOPOLDINO, SERGIO ROBERTO 3,011,783
LES LABORATOIRES SERVIER 3,011,761
LEVY, SHAHAR 3,011,793
LEWIS, DAVID C. 3,012,354
LI, BINGYI 3,012,187
LI, CHIANG J. 3,011,800
LI, FANGZHENG 3,012,167
LI, HONGWEI 3,011,765
LI, PENG 3,011,983
LI, QIAO 3,012,236
LI, SAN 3,012,280
LI, XIULING 3,011,817
LI, ZHEN 3,011,946
LIANG, BOQI 3,011,765
LIANG, RONGXIN 3,012,274
LIAO, JINLI 3,012,059
LIBERT, TIMOTHY A. 3,012,309
LIEW, WILLIE 3,012,357
LIFE DETECTION TECHNOLOGIES, INC. 3,012,319
LILJEQVIST, JAN-AKE 3,012,267
LIM, IN TAEK 3,012,300
LIMON, OFER 3,011,793
LIN, PETER 3,011,993
LINDNER, TANJA 3,012,074
LINGENFELTER, KEITH 3,011,988
LINGHU, XIN 3,012,046
LINSTADT, ROSCOE 3,012,176
LIPOWICZ, PETER 3,012,279
LIPSHUTZ, BRUCE H. 3,012,176
LISBOA, HUGO 3,011,820
LITTLEFIELD, RYAN 3,012,175
LIU, HAIQING 3,011,762
LIU, JIBIN 3,012,266
LIU, JIBIN 3,012,268
LIU, JIBIN 3,012,269
LIU, JIBIN 3,012,271
LIU, JIBIN 3,012,273
LIU, JUNFEI 3,011,905
LIU, JUNFEI 3,011,910
LIU, JUNFEI 3,011,912
LIU, MINGCHUAN 3,012,063
LIU, XIA 3,012,274
LIU, YANG 3,012,064
LIU, ZHE 3,012,187
LOHMEIER, MICHAEL ANDREW 3,011,829
LOOI, THOMAS 3,011,760
LOTESTA, STEPHEN D. 3,011,838
LOTITO FOODS HOLDING, LLC 3,012,126
LOTITO, CHRISTOPHER L. 3,012,126
LOWDEN, PATRICIA 3,012,350
LOWE, MATTHEW WILLIAM 3,011,922
LOWERY, THOMAS JAY, JR 3,011,901
LOWERY, THOMAS JAY, JR. 3,011,991
LTS LOHMANN THERAPIE-SYSTEME AG 3,011,929
LU, YI 3,012,344
LUFKIN INDUSTRIES, LLC 3,012,041

LUFTHANSA TECHNIK AG 3,012,275
LUM, JACOB 3,011,721
LUO, TAO 3,011,744
LUO, TAO 3,011,747
LUPI, GIUSEPPE 3,011,945
LUPTAK, STEPHEN A. 3,012,341
LUPTAK, STEPHEN A. 3,012,357
LUXEMBOURG INSTITUTE OF SCIENCE AND TECHNOLOGY (LIST) 3,012,272
LUXEMBOURG INSTITUTE OF SCIENCE AND TECHNOLOGY (LIST) 3,012,283
LUXEMBOURG INSTITUTE OF SCIENCE AND TECHNOLOGY (LIST) 3,012,287
LYNCH, STEPHANIE 3,011,970
M SQUARED LASERS LIMITED 3,012,235
MABQUEST SA 3,012,075
MACIEJEWSKI, HIERONIM 3,011,779
MACKOOL, RICHARD 3,012,293
MACLEOD, CALUM 3,011,880
MACLEOD, CALUM 3,012,031
MADARA, SCOTT D. 3,012,045
MAESTRINI, LUCA 3,012,286
MAGANA, JESUS 3,011,818
MAGIC LEAP, INC. 3,011,891
MAGLIA, GIOVANNI 3,011,830
MAGNA EXTERIORS INC. 3,011,826
MAGNUSON, GLENN 3,011,991
MAIER, GERNOT 3,011,843
MAIER, MAXIMILIAN 3,011,777
MAITY, SUNIT 3,011,827
MAKER, GARETH THOMAS 3,012,235
MALCOLM, GRAEME PETER ALEXANDER 3,012,235
MALCOLM, THOMAS 3,011,874
MALET, BERTRAND 3,012,284
MALIWALAVE, AMOL 3,011,827
MALLINCKRODT HOSPITAL PRODUCTS IP LIMITED 3,012,180
MALLINCKRODT HOSPITAL PRODUCTS IP LIMITED 3,012,189
MAMLUK, RONI 3,011,982
MANCA, LAURENT 3,011,951
MANDYAM, GIRIDHAR 3,011,816
MANJUNATH BANGALORE MUNIRAJU, YOGENDRA 3,011,827
MANJUNATH, MANU 3,011,923
MANKU, TAJINDER 3,012,231
MANN, SAMUEL EDWARD 3,011,880
MANN, SAMUEL EDWARD 3,012,031
MANNARELLI, VALERIE 3,012,260
MANNING, BRENDAN 3,011,901
MANONE, JOSEPH 3,011,904
MANUFACTURE FRANCAISE DE BOUGIES 3,011,895
MANUSZAK, BRIAN M. 3,012,114
MARAGNO, ANA LETICIA 3,011,761
MAREFAT, MOHSEN 3,011,988
MARINITSCH, GERALD 3,011,908
MARINITSCH, GERALD 3,011,911
MARKANDA, NIKITHA 3,011,827
MARKOVIC, GORAN 3,011,883
MARKOVIC, GORAN 3,011,914
MARKOVIC, GORAN 3,011,915
MARKOVIC, GORAN 3,012,159
MARKS, LEONARD 3,012,322
MARRA, MARTIN 3,012,049
MARSH, ALLISON 3,012,324
MARTIN PHARMACEUTICALS, INC. 3,012,165
MARTIN ROSIQUE, REBECA 3,012,214
MARTIN, THOMAS 3,011,766
MARTIN, THOMAS 3,011,767
MARTIN-TERESO LOPEZ, JAVIER 3,011,756
MARTINEZ OSES, JOSE MARIA 3,012,281
MASFERRER, JAIME L. 3,012,001
MASTERCARD INTERNATIONAL INCORPORATED 3,011,600
MATSUMOTO, NOBUHIKO 3,011,927
MATSUMOTO, SHIN-YA 3,012,088
MATSUSHITA, TOMOHIRO 3,012,184
MAX-DELBRUCH-CENTRUM FUR MOLEKULARE MEDIZIN 3,011,886
MAY, JONATHAN 3,012,085
MAYER, DAVID 3,012,324
MAYS, WESLEY M. 3,011,814
MCDONOUGH, JOHN J. 3,011,991
MCILROY, GUY 3,012,319
MCLURE, KEVIN G. 3,011,819
MECHAM, JEFFREY BRENT 3,011,757
MEDARD DE CHARDON, BRIAC 3,011,921
MEDIAPHARMA S.R.L. 3,012,270
MEDICODOSE SYSTEMS SAS 3,012,291
MEDICOM TECHNOLOGIES INC. 3,011,810
MEDTENTIA INTERNATIONAL LTD OY 3,011,791
MEERPOEL, LIEVEN 3,011,880
MEERPOEL, LIEVEN 3,012,031
MERLO, ROBERTO 3,011,938
MERRIMACK PHARMACEUTICALS, INC. 3,011,949
METRIOPHARM AG 3,011,766
METRIOPHARM AG 3,011,767
MEYER, ANGELIKA 3,012,294
MEYER, SEBASTIAN 3,011,784
MEYER, SEBASTIAN 3,011,786
MIDEA GROUP CO., LTD. 3,011,765
MIHARA, TAKAAKI 3,012,093
MIHARA, TAKAAKI 3,012,100
MIKI, CARLEY 3,011,919
MIKI, ROBERTO AUGUSTO 3,011,971
MILBURN, PETER 3,011,870
MILLER, CAROL 3,012,324
MILLER, DREW 3,011,998
MILLS, RANDELL LEE 3,011,972
MINIMAX GMBH & CO. KG 3,012,170
MINSKOFF, NOAH M. 3,012,295
MINSKOFF, NOAH MARK 3,012,040
MIOZZI, MICHELE 3,012,062
MIREXUS BIOTECHNOLOGIES INC. 3,011,919
MISHINA, YOHEI 3,012,102
MISHRA, MUNMAYA K. 3,012,279
MISHRA, MUNMAYA K. 3,012,280
MISSLING, CHRISTOPHER U. 3,012,199
MITCHELL, EDWARD 3,011,774
MITSUBISHI GAS CHEMICAL COMPANY, INC. 3,011,927
MITSUBISHI GAS CHEMICAL COMPANY, INC. 3,012,112
MIZUSHIRI, MAYUMI 3,011,898
MIZUSHIRI, MAYUMI 3,012,340
MIZUTA, ISAO 3,010,926
MOLEAER, INC 3,012,361
MOLITOR, ERICH J. 3,011,928
MONSALLIER, JEAN-MARC 3,012,358
MONTOJO, JUAN 3,012,213
MORAN, ADRIAN 3,011,791
MORGAN, PHILLIP J. I. 3,011,906
MORGENSTERN, HERBERT 3,011,907
MORIGUCHI, SHIGEKI 3,012,312
MORISHITA, TAKAMI 3,012,112
MORLET-SAVARY, FABRICE 3,011,777
MORRIS, JOHN JOSEPH 3,012,217
MOTOROLA SOLUTIONS, INC. 3,011,966
MTD PRODUCTS INC 3,012,335
MU, WENHENG 3,012,266
MU, WENHENG 3,012,268
MU, WENHENG 3,012,269
MU, WENHENG 3,012,271
MU, WENHENG 3,012,273
MUENZ, MARKUS 3,011,942
MUKHLES, AMRO 3,011,724
MUKUNDA, PAVITHRA 3,011,827
MULLER, MICHAEL 3,012,275
MULTRUS, MARKUS 3,011,883
MULTRUS, MARKUS 3,011,914
MULTRUS, MARKUS 3,011,915
MULTRUS, MARKUS 3,012,159
MURAKAMI, YOSHIKAZU 3,011,899
MURDOCK, JAMES 3,012,183
MURO, TAKAYUKI 3,012,184
MURUGESAN, SATHYABALAN 3,011,827
MUSUVATHY, SURAJ RAVI 3,012,320
MUTTER, JOHN P. 3,011,762
MUTHUKRISHNAN, VIJAYASARATHI 3,011,985
MYERS, BARRY LEE 3,011,995
MYERS, JOEL N. 3,011,995
NAAS, ROBERT L. 3,011,806
NAGAI, HIDEMASA 3,012,088
NAGATA, SATOSHI 3,012,033
NAGATA, SATOSHI 3,012,310
NAIR, KARTHIKA 3,011,827
NAKAI, ASAMI 3,011,927
NAKATA, MASAHIRO 3,011,785
NAKAZAWA, YOSHIAKI 3,011,785
NALL, BARRY E 3,012,062
NAN, SHUGONG 3,012,274
NANKIL, ROBERT R. 3,011,967

NARASIMHAN, RANGACHARI 3,012,333
NATARAJAN, BAIRAVABALAKUMAR 3,011,827
NATARAJAN, SHYAM 3,012,322
NATUREGEN CO., LTD. 3,012,110
NAZIR AHMED, MOHAMMED INAYATHULLAH 3,011,903
NBE-THERAPEUTICS AG 3,011,815
NEDERLANDSE ORGANISATIE VOOR TOEGEPAST-NATUURWETENSCHAPPELIJK ONDERZOEK TNO 3,012,116
NEELY, LORI ANNE 3,011,901
NEELY, LORI ANNE 3,011,991
NEGLEY, SCOTT, R. 3,012,217
NEITEMEIER, INGO 3,011,769
NELSON, GARY 3,012,324
NESTEC S.A. 3,012,091
NEUENHOFER, MARTIN 3,012,047
NEUER, MICHAEL S. 3,011,968
NEWSOUTH INNOVATIONS PTY LIMITED 3,012,163
NEWSOUTH INNOVATIONS PTY LIMITED 3,012,166
NEWTON, SAM 3,011,973
NG2 DEFENSE, LLC 3,012,123
NGUYEN, SAM L. 3,012,176
NGUYEN, THI DUONG 3,011,825
NIELSEN, JESPER DUUS 3,012,160
NIINEMETS, THOMAS 3,012,181
NIPPON FILCON CO., LTD 2,999,002
NIPPON STEEL & SUMITOMO METAL CORPORATION 3,011,785
NIPPON STEEL & SUMITOMO METAL CORPORATION 3,012,168
NIPPON STEEL & SUMITOMO METAL CORPORATION 3,012,171
NIPPON STEEL & SUMITOMO METAL CORPORATION 3,012,336
NISSAN MOTOR CO., LTD. 3,012,102
NISSHIN STEEL CO., LTD. 3,011,950
NISSHINBO HOLDINGS INC. 3,011,898
NISSHINBO HOLDINGS INC. 3,012,340
NITSCHKE, MICHAEL 3,012,047
NOLLAR, ANDREW 3,011,797
NORTH CAROLINA STATE UNIVERSITY 3,011,932
NORTON, CHASITY ANTONINETTE 3,011,757
NOVAPHARM RESEARCH (AUSTRALIA) PTY LTD 3,012,079
NOVARTIS AG 3,012,107
NOVARTIS AG 3,012,293
NOVARTIS AG 3,012,294
NOVOMATIC AG 3,011,832
NOVOZYMES A/S 3,011,721
NTT DOCOMO, INC. 3,012,033
NTT DOCOMO, INC. 3,012,310
NTT ELECTRONICS CORPORATION 3,012,346
NUOVO PIGNONE TECNOLOGIE SRL 3,011,938
NUPULSECV, INC. 3,012,066
NVISION MEDICAL CORPORATION 3,011,818
NYENHUIS, ROBERT 3,012,275
O'BRIEN, JAY 3,012,224
O'CARROLL, GER 3,011,791
ODE S.R.L. 3,012,105
OFINNO TECHNOLOGIES, LLC 3,011,937
OGASAHARA, TOMOYOSHI 3,012,298
OGURI, TAIHEI 3,010,926
OHTANI, AKIO 3,011,927
OISHI, TAKAO 3,011,953
OJH SAS 3,012,260
OLSEN, DAVID WILLIAM 3,011,808
OMNITRACS, LLC 3,011,814
OMURA, TAKESHI 3,012,101
ON TARGET THERAPEUTICS, LLC. 3,012,190
ONCORUS, INC. 3,011,933
ONUMA, YASUHARU 3,012,346
ORWAT, MICHAEL J. 3,010,900
OSADCHUK, DWAYNE 3,012,175
OT MEDIZINTECHNIK GMBH 3,012,052
OTRACES INC. 3,011,988
OTSUKA, KENICHIRO 3,012,171
OUCHI, WATARU 3,012,338
OURA, ENIO MITSUKI 3,011,783
OUTOTEC (FINLAND) OY 3,012,028
OXO FAB INC. 3,011,532
OYAMA, KATSUICHI 3,012,346
OZZIE ENTERPRISES LLC 3,012,175
PABBISETTY, KUMAR BALASHANMUGA 3,010,900
PACCARD, CAROLINE 3,012,060
PACKERS PLUS ENERGY SERVICES INC. 3,012,225
PACZAL, ATTILA 3,011,761
PAMULAPARTHY, BALAKRISHNA 3,011,985
PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO., LTD. 3,010,926
PANDA, MANORANJAN 3,010,900
PANOUSIS, CON 3,012,037
PANTALEO, GIUSEPPE 3,012,075
PANTHER, ALEXANDER GYLES 3,012,161
PAPANDREA, BENJAMIN 3,012,173
PARAMANATHAN, KAPILAN 3,012,056
PARAN, YAEL 3,012,072
PARCELL, JASON 3,012,183
PARK, JUNG GYU 3,012,106
PARK, SEUNG WON 3,012,106
PATEL, CHIRAG SURESHBHAI 3,011,747
PATEL, SHIMMAN ARVIND 3,012,213
PATEL, SHIVANI 3,011,827
PATOU, GARY 3,011,982
PATTON, JOHN S. 3,011,902
PATUREL, CARINE 3,012,055
PECCETTI, FRANCESCO 3,011,811
PEI, TAO 3,011,946
PELLEGRINI, PAOLO 3,012,032
PENA CARVALHO DE CARVALHO, ISABELA 3,011,756
PENG, HAIYONG 3,011,815
PENG, HAIYONG 3,011,817
PENG, KAN 3,011,905
PENG, KAN 3,011,912
PENOUILH, SYLVAIN 3,012,215
PEPSICO, INC. 3,011,829
PERALTA, ANDRES F. 3,012,357
PEREZ ACOSTA, ADRIANA ALEJANDRA 3,011,768
PERNODET, NADINE 3,011,961
PESONEN, NADINE 3,011,909
PETER, JENS 3,012,275
PETERSON, MICHAEL 3,011,797
PETERSON, SHAWN D. 3,011,976
PETTY, SCOTT 3,012,183
PFALLER, MICHAEL ANDY 3,011,991
PFEIFFER, MATTHIAS 3,011,907
PHELAN, CHRIS 3,011,774
PHILIP MORRIS PRODUCTS S.A. 3,011,773
PHILIP MORRIS PRODUCTS S.A. 3,011,774
PHILIP MORRIS PRODUCTS S.A. 3,011,776
PHILIP MORRIS PRODUCTS S.A. 3,011,951
PHILIP MORRIS PRODUCTS S.A. 3,011,956
PHILIP MORRIS PRODUCTS S.A. 3,011,959
PHILIP MORRIS PRODUCTS S.A. 3,012,279
PHILIP MORRIS PRODUCTS S.A. 3,012,280
PHILLIPS, PERCY D. 3,012,295
PHUNG, NU AI 3,011,901
PICCOLO, ENZA 3,012,270
PINTO, DONALD J.P. 3,010,900
PIONEER HI-BRED INTERNATIONAL, INC. 3,012,362
PITHAWALLA, YEZDI 3,012,279
PITHAWALLA, YEZDI 3,012,280
PLAYTECH SOFTWARE LIMITED 3,012,038
PLESS, BENJAMIN 3,011,993
POLARIS INDUSTRIES INC. 3,011,976
POLEVOY, RICHARD S. 3,011,806
POMPE, CORNELIUS 3,011,942
PONCELET, VIRGINIE SOPHIE 3,011,880
PONDER, JESSICA 3,012,179
PORTER, JONATHAN 3,011,995
POTENZIANO, JIM 3,012,180
POTHINENI, VENKATA RAVEENDRA 3,011,903
POTUCEK, KEVIN 3,012,183
POULAIN, ISABELLE 3,012,278
PRAKASH CHAKRABARTY, SUBHRA 3,011,827
PRASAD, BHARGAV 3,011,827
PRESIDENT AND FELLOWS OF HARVARD COLLEGE 3,011,796
PRESSCO IP LLC 3,012,164
PRIESTER, ALAN MARTIN 3,012,322
PUCCI, MASSIMILIANO 3,012,105

PUERTAS Y SISTEMAS ANTI INUNDACIONES S.L. 3,012,035
PUGH, MARK 3,011,791
PUGIA, MICHAEL 3,012,121
PURDUE RESEARCH FOUNDATION 3,012,121
PUUKILAINEN, ESA 3,012,068
PUUKILAINEN, ESA 3,012,076
QBO COFFEE GMBH 3,012,080
QBO COFFEE GMBH 3,012,081
QIU, XIAOXU 3,012,064
QUALCOMM INCORPORATED 3,011,744
QUALCOMM INCORPORATED 3,011,747
QUALCOMM INCORPORATED 3,011,804
QUALCOMM INCORPORATED 3,011,816
QUALCOMM INCORPORATED 3,011,867
QUALCOMM INCORPORATED 3,011,935
QUALCOMM INCORPORATED 3,011,941
QUALCOMM INCORPORATED 3,012,051
QUALCOMM INCORPORATED 3,012,213
QUALITY INTERVENTION TECHNOLOGY AS 3,012,264
QUAN, JIANMING 3,012,274
QUANTURI OY 3,011,909
QUEROLLE, OLIVIER ALEXIS GEORGES 3,011,880
QUEROLLE, OLIVIER ALEXIS GEORGES 3,012,031
QUIPIP, LLC 3,011,989
QUIPIP, LLC 3,012,002
RABADA BAIGES, JORDI 3,011,892
RADAR LEATHER DIVISION S.R.L. 3,012,032
RADER, CHRISTOPH 3,011,815
RADER, CHRISTOPH 3,011,817
RADJY, FARROKH F. 3,011,989
RADJY, FARROKH F. 3,012,002
RAI STRATEGIC HOLDINGS, INC. 3,012,295
RAJADAS, JAYAKUMAR 3,011,903
RAJIC, ZELJKO 3,012,030
RAM, ETHAN 3,012,038
RAMACHANDRAN, SUNDER 3,011,724
RAMAN, VENKATA S. 3,012,190
RAO, SUDHA 3,011,870
RATTEL, BENNO 3,011,942
RAUCH, ERNST 3,011,778
RAUM, TOBIAS 3,011,942
RAVELLI, EMMANUEL 3,011,883
RAVELLI, EMMANUEL 3,011,914
RAVELLI, EMMANUEL 3,011,915
RAVELLI, EMMANUEL 3,012,159
RAVINDRA SHENOY, BHARATH 3,011,827
READING, JAMES 3,012,009
REASONER, STEPHEN J. 3,011,797
REAXING S.R.L. 3,011,897
REDDY, B. RAGHAVA 3,011,723
REDDY, B. RAGHAVA 3,011,745
REIFENHAUSER GMBH & CO. KG MASCHINENFABRIK 3,012,047
RENHOWE, PAUL ALLAN 3,012,001
REPYEVSKY, VLADIMIR VICTOROVICH 3,011,963
RESEARCH TRIANGLE INSTITUTE 3,011,757
REYNOLDS, ALAN C. 3,012,348
REYNOLDS, ALAN C. 3,012,359
REZVANI, BABAK 3,011,798
RICE, ADRIAN 3,010,869
RIETH, SEBASTIAN 3,012,046
RIGGIO, JEREMIAH 3,012,341
RILEY, MARK R. 3,011,807
RITE-HITE HOLDING CORPORATION 3,011,904
RIZZO, ROBERTO 3,011,813
ROBAK, BARBARA 3,011,781
ROBERTS, KELLY 3,011,788
ROCKLINE INDUSTRIES 3,011,975
RODGERS, MATTHEW BLAKE 3,012,091
RODI, WOLFGANG 3,011,831
ROEHRL, JONATHAN J. 3,012,329
ROGERS, JAMES WILLIAM 3,012,295
ROGOZA, JAROSLAW 3,011,779
ROGOZA, JAROSLAW 3,011,781
ROLLESS GMBH 3,011,831
ROLLMANN, RALF 3,011,832
ROOT, MICHAEL R. 3,011,995
ROSEMOUNT INC. 3,011,963
ROSENBERG, MICHAEL 3,011,810
ROSENBLUTH, KATHRYN H. 3,011,993
ROSSANO, LORENZO 3,012,105
ROSTAMI, ALI A. 3,012,279
ROSTAMI, ALI A. 3,012,280
ROTH, GARY 3,012,167
ROTHROCK, GINGER DENISON 3,011,757
ROUSE, TIMOTHY J 3,012,062
ROUSSEAU, GUILHEM 3,011,895
ROYAL APP LTD. 3,012,292
ROZEK, ROY J. 3,012,337
ROZEMA, DAVID B. 3,011,946
RUBIN, BENZION GRIBETZ 3,011,805
RUD, JASON H. 3,011,963
RUELLAND, FREDERIC 3,011,532
RUSCONI, CHRISTOPHER P. 3,011,819
RUSSELL, NICHOLAS JAMES 3,011,969
RUSSELL, WARREN STUART 3,012,361
RUTT, GEORGE C. 3,011,828
RX NETWORKS INC. 3,011,868
RYAN, HOWARD SCOTT 3,011,806
RYAN, MAUREEN 3,011,900
SADRIEH, SEYED NIMA 3,011,868
SAINT-IGNAN, KATY 3,012,226
SAKAKURA, SHIGEKI 3,012,111
SAKURADA, YASUHIRO 3,011,950
SALA, GIANLUCA 3,012,270
SALORT, FABIEN 3,012,358
SALZMANN, HEINER 3,011,826
SAMULSKI, RICHARD JUDE 3,011,943
SAND, BRUCE J. 3,012,194
SANDER, MATTHEW 3,011,902
SANDLIE, INGER 3,011,887
SANO, SHINYA 2,977,303
SANOFI 3,012,060
SANOGUEIRA, JAMES 3,011,986
SANTORO, FABIO 3,011,813
SANTOS, FILIPA 3,011,820
SANTOS, MARIO CESAR BATISTA 3,012,071
SARKAR, ANINDYA 3,012,360
SARNA, SURBHI 3,011,818
SARNA, ZBIGNIEW 3,011,762
SAROSH, SAHIL 3,011,801
SAUDI ARABIAN OIL COMPANY 3,011,723
SAUDI ARABIAN OIL COMPANY 3,011,724
SAUDI ARABIAN OIL COMPANY 3,011,745
SAUER, BRYAN BENEDICT 3,012,309
SAUL, RICHARD 3,011,988
SAVA, ALEX 3,012,079
SAVENKOFF, RYAN DOUGLAS 3,012,262
SAVOY, MARK A. 3,011,906
SAWYER, DOUGLAS, JR. 3,012,183
SAWYER, MICHAEL 3,012,169
SCARGIALI, FRANCESCA 3,011,813
SCARLATA, IGNAZIO 3,012,019
SCHAADT, EVELINE 3,012,294
SCHIEMANN, MARC 3,012,067
SCHIFF, DAVID 3,011,774
SCHIMENTI, JOHN 3,012,352
SCHLUMBERGER CANADA LIMITED 3,011,812
SCHLUMBERGER CANADA LIMITED 3,012,169
SCHNELL, MARKUS 3,011,883
SCHNELL, MARKUS 3,011,914
SCHNELL, MARKUS 3,011,915
SCHNELL, MARKUS 3,012,159
SCHOLTEN, BRUCE 3,012,361
SCHOLTEN, JOHANNES 3,011,828
SCHREIBER, ULRICH 3,012,052
SCHULER, CARLOS A. 3,012,333
SCUERO, ALBERTO MARIA 3,011,917
SEALY TECHNOLOGY, LLC 3,012,114
SEATTLE GENETICS, INC. 3,011,900
SEGRAVES, NATHANIEL L. 3,012,046
SELDESS, ZACHARY 3,011,694
SENFF, OSCAR 3,012,050
SENSOR MEDICAL LABORATORIES LTD. 3,011,760
SESEN BIO, INC. 3,012,350
SEVOV, LUBOMIR 3,011,985
SHAFER, GEORGIA L. 3,011,783
SHAH, AMIT R. 3,012,045
SHAH, PRATIK N. 3,012,326
SHAN, DONGFANG 3,012,236
SHANGAHI INSTITUTES FOR BIOLOGICAL SCIENCES, CHINESE ACADEMY OF SCIENCES 3,012,064
SHARIF, ZAHID, I. 3,011,975
SHARMA, ANKURINA 3,011,827
SHARMA, RASHMI 3,011,827
SHARP KABUSHIKI KAISHA 3,011,896
SHARP KABUSHIKI KAISHA 3,012,338
SHAW, SCOTT A. 3,010,900
SHEN, XIAOJUN 3,011,913

SHEPHERD, SARAH DOROTHY 3,011,757
SHEPPECK, JAMES EDWARD 3,012,001
SHI, LIANG 3,012,236
SHIMAHARA, HIDEKI 3,011,955
SHIMANAKA, HIROYUKI 3,011,899
SHIMCO NORTH AMERICA INC. 3,012,056
SHIMIZU, SAKI 3,012,332
SHIRAI, KATSUHIRO 3,012,342
SIEMENS AKTIENGESELLSCHAFT 3,011,770
SIEMENS AKTIENGESELLSCHAFT 3,011,772
SIEMENS AKTIENGESELLSCHAFT 3,012,085
SIEMENS PRODUCT LIFECYCLE MANAGEMENT SOFTWARE INC. 3,012,320
SIEMER, DIRK 3,012,170
SILVERBERG, MARK 3,012,043
SIMARD, CLEMENT 3,011,532
SIMPLEXIA AB 3,012,267
SINGH, DEORAM 3,012,056
SINGH, SURESH B. 3,011,838
SINGLETARY, JAMES NEAL 3,012,309
SINPHAR TIAN-LI (HANGZHOU) PHARMACY COMPANY LIMITED 3,012,063
SIPOS, SZABOLCS 3,011,761
SKINNER, NATHANIEL E. 3,011,998
SKINNER, RAYMOND C. 3,012,348
SKINNER, RAYMOND C. 3,012,359
SKOWRONEK, KRZYSZTOF 3,012,221
SKYLLAS-KAZACOS, MARIA 3,012,163
SKYLLAS-KAZACOS, MARIA 3,012,166
SLAGHEK, THEODOOR MAXIMILIAAN 3,012,116
SMITH, AARON D. 3,012,341
SMITH, AARON D. 3,012,357
SMITH, BARRY S. 3,011,776
SMITH, GUY ST JOHN TRISTRAM 3,011,822
SMITH, JANICE 3,011,739
SMITH, JILLIAN 3,011,739
SMITH, LEON M., II 3,010,900
SMITH, ROBERT 3,012,066
SMITH, STEVEN 3,011,995
SMYTH, JAMES F. 3,012,049
SNOW, DAVID W. 3,011,818
SOKOL, HARRY 3,012,214
SOLUTIONS BIOLOGIQUES INTELLIGENTS-BIOINTELLIGENZA INC. 3,011,768
SONACA S.A. 3,012,215
SONG, JOO HAN 3,012,306
SORBONNE UNIVERSITE 3,012,214
SORENSEN, BJORN BRO 3,012,264
SORENSEN, CHARLES 3,012,185
SOUTHERN RESEARCH INSTITUTE 3,011,803
SPANGENBERG, OLIVER 3,012,160
SPEAKER, TYCHO 3,011,980
SPIRIG, ROLF 3,012,037
SPRINT COMMUNICATIONS COMPANY L.P. 3,012,048
SRINIVASAN, SANKARANARAYANAN 3,011,827
STAINSBY, JEFF ALAN 3,012,161
STAMER, ARNE 3,012,170
STANSFIELD, IAN 3,011,880
STANSFIELD, IAN 3,012,031
STEEL, ADRIAN 3,011,792
STEINER, THOMAS WALTER 3,011,921
STELZER, HANNES 3,011,843
STENNER, PATRIK 3,012,030
STOCKMAN, KENNETH E. 3,011,928
STOKS, ELMO BENSON 3,012,036
STONE, BENJAMIN B. 3,011,901
STRACK, STEFAN 3,012,039
STRAKA, GREGORY ROBERT 3,011,807
STRYKER CORPORATION 3,011,797
STUBBLEFIELD, SAMANTHA 3,012,009
STURM, PETER 3,012,028
SUEZ INTERNATIONAL 3,012,058
SUMERS, THEODORE RUSSELL 3,011,825
SUMITOMO METAL MINING CO., LTD. 3,011,953
SUMITOMO METAL MINING CO., LTD. 3,012,088
SURYANARAYANA, LALITHA B.S. 3,011,816
SUSSMAN, DJANGO 3,011,900
SUSTAINABLE MARINE ENERGY LIMITED 3,011,918
SUTTLES, JASON 3,011,810
SUZUKI, SHOICHI 3,012,338
SUZUKI, TOSHIYA 3,011,785
SWIATEK, MARTIN 3,012,047
SYAFII, IRFAN 3,011,724
SYNAPTIVE MEDICAL (BARBADOS) INC. 3,012,161
SYNTHETIC GENOMICS, INC. 3,011,828
SYNTHOS S.A. 3,011,779
SYNTHOS S.A. 3,011,781
SZLAVIK, ZOLTAN 3,011,761
SZYMANSKA, ANNA 3,011,779
T2 BIOSYSTEMS, INC. 3,011,901
T2 BIOSYSTEMS, INC. 3,011,991
TACTILE SYSTEMS TECHNOLOGY, INC. 3,011,807
TAGHIPOUR, FARIBORZ 3,011,888
TAGHIPOUR, FARIBORZ 3,011,890
TAGI, YOICHI 3,011,899
TAI, PHILLIP 3,012,344
TAIHO PHARMACEUTICAL CO., LTD. 3,011,913
TAINOFF, DIMITRI 3,011,958
TAJIMA, AKIRA 2,999,002
TAKAJO, SHIGEHIRO 3,012,101
TAKAMUKU, TOMOHIRO 3,012,346
TAKEDA, KAZUAKI 3,012,310
TAKEDA, KAZUKI 3,012,033
TAKEDA, KAZUKI 3,012,310
TAKEUCHI, KOSAKU 3,012,093
TAKEUCHI, KOSAKU 3,012,100
TAKYAR, SANJIV 3,011,795
TAN, WEN JUE AMELIA 3,011,834
TANAKA, KENTARO 3,012,093
TANG, WENQIANG 3,012,274
TAVILDAR, SAURABHA 3,011,935
TECVIX PLANEJAMENTO E SERVICOS EIRELI 3,012,071
TELFORD, ALEXANDER 3,011,809
TEMPLE UNIVERSITY OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION 3,011,874
TEMTEM, MARCIO 3,011,820
TEN KATE, WARNER RUDOLPH THEOPHILE 3,011,775
TENSAR INTERNATIONAL CORPORATION 3,012,341
TENSAR INTERNATIONAL CORPORATION 3,012,357
TERRY, WARREN MARC 3,012,020
THAEMLITZ, CARL 3,011,723
THAEMLITZ, CARL 3,011,745
THANIGAIVEL, ASWINI 3,011,827
THE CLEVELAND CLINIC FOUNDATION 3,012,125
THE CLIMATE CORPORATION 3,012,124
THE PIRBRIGHT INSTITUTE 3,012,024
THE PROCTER & GAMBLE COMPANY 3,012,223
THE PROCTER & GAMBLE COMPANY 3,012,226
THE QUEEN'S UNIVERSITY OF BELFAST 3,012,019
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA 3,012,173
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA 3,012,322
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA 3,012,332
THE REGENTS OF THE UNIVERSITY OF COLORADO 3,012,179
THE SCRIPPS RESEARCH INSTITUTE 3,011,815
THE SCRIPPS RESEARCH INSTITUTE 3,011,817
THE UAB RESEARCH FOUNDATION 3,011,803
THE UNIVERSITY OF BRITISH COLUMBIA 3,011,888
THE UNIVERSITY OF BRITISH COLUMBIA 3,011,890
THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL 3,011,943
THOMANN, ULRICH HANS 3,011,901
THOMANN, ULRICH HANS 3,011,991
THOMAS, DARIN T. 3,012,114
THYSSENKRUPP AG 3,011,769
THYSSENKRUPP AG 3,012,067

THYSSENKRUPP INDUSTRIAL SOLUTIONS AG 3,011,769
THYSSENKRUPP MARINE SYSTEMS GMBH 3,012,067
TICE, COLIN M. 3,011,838
TILLOTTS PHARMA AG 3,011,784
TILLOTTS PHARMA AG 3,011,786
TIMMERMANS, JOHANNES WILHELMUS 3,012,116
TIWARI, ANURAG 3,011,827
TOEBES, JAN WILLEM 3,012,227
TOHOKU UNIVERSITY 3,012,312
TOKUYAMA CORPORATION 3,012,342
TOLMIE, CRAIG R. 3,012,189
TONGGUAN (XIAMEN) ELECTRONIC TECHNOLOGY CO., LTD. 3,012,339
TOON, LINDSEY ANN 3,011,920
TORAY INDUSTRIES, INC. 3,012,093
TORAY INDUSTRIES, INC. 3,012,100
TORRI, ANGELO 3,011,945
TOWNSEND, JESSICA ANN 3,011,901
TOZZI, PIERLUIGI 3,011,938
TRACEY, JAMES 3,011,694
TRAN, LAP 3,012,169
TRANSDERM INC. 3,011,980
TRANVOUEZ-BERNARDIN, DELPHINE 3,012,278
TREE, TIMOTHY 3,012,009
TRENDELENBURG, ANNE-ULRIKE 3,012,294
TRUBUIL, LAURA 3,012,284
TRUSTEES OF TUFTS COLLEGE 3,012,190
TSUKISHIMA KIKAI CO., LTD. 3,012,301
TUCKER, CHRISTOPHER S. 3,012,279
TUCKER, CHRISTOPHER S. 3,012,280
TUFTS MEDICAL CENTER 3,012,190
TUMMINELLI, GIANLUCA 3,011,813
TURGEMAN, SHLOMO 3,012,072
TURNER, SUSAN 3,011,788
TUZZOLINO, GAETANO 3,011,813
TYAN, KEVIN 3,011,889
TYK CORPORATION 3,012,307
TYRRELL, SOPHIE 3,012,019
UBER TECHNOLOGIES, INC. 3,011,825
UEDA, IKUO 2,999,002
UGALDE, ALBERT FERRER 3,012,019
UHR, JOON SUN 3,012,306
UJJINI, MANJUNATHA 3,012,107
ULU, ERVA 3,012,320
UNICO-FIRST AG 3,011,764
UNILEVER PLC 3,011,783
UNITEC S.P.A. 3,011,780
UNITEC S.P.A. 3,011,782
UNITED CONVERTING S.R.L. 3,011,945
UNIVERSITEIT GENT 3,011,947
UNIVERSITY OF CANBERRA 3,011,870
UNIVERSITY OF MASSACHUSETTS 3,011,894
UNIVERSITY OF MASSACHUSETTS 3,011,939
UNIVERSITY OF MASSACHUSETTS 3,012,344
UNIVERSITY OF OSLO 3,011,887
UNNIKRISHNAN, DIVYA 3,011,827
URBAN, RYAN JOSHUA 3,011,805
URQUHART, KEVIN 3,011,918
URRUTIA BAZAN, ARNALDO 3,012,281
URSCHLER, STEFAN 3,011,843
UTICA ENTERPRISES, INC. 3,011,906
VAN GINDERACHTER, JO 3,011,947
VAN PETEGEM, RONALD 3,012,225
VANLUE, DUKE 3,000,323
VARGO, JOHN 3,012,125
VAROTTO, PAOLO 3,012,286
VAUHTI SPEED OY 3,012,068
VAUHTI SPEED OY 3,012,076
VDV LUBRICANTS 3,012,265
VED, URVI 3,011,901
VEGA AMERICAS, INC. 3,012,181
VELASCO, HORACIO 3,011,893
VELODYNE LIDAR, INC. 3,012,003
VENTANA MEDICAL SYSTEMS, INC. 3,012,360
VERNALIS (R&D) LIMITED 3,011,761
VIB VZW 3,011,947
VICTAULIC COMPANY 3,012,045
VINAYAGAM, BALAMOUROUGAN 3,011,985
VINCENTE, JOAO 3,011,820
VIRSEC SYSTEMS, INC. 3,012,193
VISA INTERNATIONAL SERVICE ASSOCIATION 3,011,726
VISCGO LIMITED 3,011,916
VITAE PHARMACEUTICALS, INC. 3,011,838
VITRISA THERAPEUTICS, INC. 3,011,819
VLADIMIROVNA MITINA, OLGA 3,012,294
VON WEGERER, JORG 3,011,766
VON WEGERER, JORG 3,011,767
VOSS, PETER 3,012,056
VRIJE UNIVERSITEIT BRUSSEL 3,011,947
WACHTER, CHRISTIAN 3,011,955
WAGNER, ROBERT 3,012,050
WAGTMANN, NICOLAI 3,012,055
WAKEFIELD, DARREN H. 3,011,946
WALDMEIER, LORENZ 3,011,815
WALENIA, MALGORZATA 3,011,781
WALLACE, ELIZABETH JAYNE 3,011,830
WALMART APOLLO, LLC 3,011,974
WAN, PING 3,012,263
WANG, CUNHU 3,012,266
WANG, CUNHU 3,012,268
WANG, CUNHU 3,012,269
WANG, CUNHU 3,012,271
WANG, CUNHU 3,012,273
WANG, GUAN 3,011,905
WANG, GUAN 3,011,910
WANG, GUAN 3,011,912
WANG, SHAONING 3,012,288
WANG, YAOLIN 3,012,078
WANG, YAOLIN 3,012,133
WANG, YE-KUI 3,011,941
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THE GOVERNORS OF THE UNIVERSITY OF ALBERTA 2,959,039
THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION 3,011,693
THE STORK IB2C, INC. 3,011,032
THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY OF AGRICULTURE 2,990,042
THOLLABANDI, MADHAN 2,962,215
THOMAS, GOETZ 2,988,909
THOMAS, WILLIAM L. 3,011,846
THUNG, TANYA 2,956,096
TOMITA, YUSUKE 3,011,607
TONER, ADAM 3,009,920
TOWNSEND, PETER 2,990,898
TOYOTA JIDOSHA KABUSHIKI KAISHA 2,990,267
TQ DELTA, LLC 3,011,163
TRUDELL MEDICAL INTERNATIONAL 3,011,128
TRUSKA, MARTIN 2,959,039
TSUNODA, TAKUYA 3,011,607
TURKVAN, HALUK 3,010,820
TUROT, XAVIER 3,011,466
TZANNES, MARCOS C. 3,011,163
UNSPAM, LLC 3,011,596
URAC, TIBOR 2,990,898
VALERITAS, INC. 3,011,688
VANDEWALL, CYNTHIA A. 2,985,289
VIKEN, MICHAEL L. 3,010,497
VINSKI, JOHNNY 2,990,903
WACHTER, JORG 2,990,655
WALEN, JAMES G. 3,011,996
WATEKAR, PRAMOD 2,962,215
WEIS, MANFRED 3,000,701
WENZEL, HANS F. 3,010,649
WENZEL, HANS F. 3,010,665
WESELAKE, RANDALL 2,959,039
WESTROCK SHARED SERVICES, LLC 2,990,117
WHW GROUP INC. 3,010,497
WIELAND, MANFRED 2,990,073
WILKINSON, KEVIN 3,011,748
WILLIAMS, CHRISTOPHER 2,990,927
WITRICITY CORPORATION 3,011,548
WU, STEVEN 2,990,667
XBIOTECH, INC. 3,011,485
XU, YANG 2,959,039
YAN, QIANGU 2,990,042
YANG, XIN 2,982,455
ZAMBELLI, PIERLUIGI 2,990,068
ZANDER, NILS 2,990,073
ZEINEH, JACK 3,010,836
ZENG, LIANG 3,011,693
ZHANG, JILEI 2,990,042